

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

JANUARY 1937.

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REPORT

During the month of January 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,960 living children, of whom 2,031 were males and 1,929 were females. Compared with the number in the previous month, births of male children are 119 more, of female children 17 more, and of children of both sexes 136 more. The monthly birth-rate in these towns taken collectively was 18·3 per thousand. This rate is 0·6 more than that for the previous month, but is 0·6 below the average.

In the individual towns the monthly birth-rate ranged from 26·0 in Hamilton, 21·2 in Motherwell and Wishaw and 20·0 in Glasgow, to 12·2 in Dunfermline, 14·5 in Edinburgh, 15·1 in Ayr and 15·1 in Perth. In Paisley the rate was 19·3, in Greenock 19·2, in Clydebank 18·7, in Coatbridge 18·1, in Kirkcaldy 17·8, in Kilmarnock 17·3, in Dundee 17·0, in Falkirk 16·3 and in Aberdeen 16·0.

Of the 3,960 living children whose births were registered during the month, 3,735 or 94·3 per cent. were legitimate, while 225 or 5·7 per cent. were illegitimate. The legitimate children numbered 142 more than in the previous month, but the illegitimate children 6 fewer. The illegitimate rate for the month is 0·3 below that for the previous month. In the individual towns it ranged from 8·7 in Aberdeen, 7·0 in Edinburgh and 6·2 in Dundee, to 0 in Clydebank, in Dunfermline and in Perth, and 2·9 in Kirkcaldy. In Glasgow the rate was 6·0.

Marriages registered during the month numbered 2,073 and are 248 fewer than in the previous month. The marriage-rate, 9·6 per thousand, is 1·2 below that for the previous month and 0·3 below the average. In the individual towns it ranged from 13·5 in Coatbridge, 13·4 in Hamilton and 12·3 in Motherwell and Wishaw, to 6·7 in Ayr, 7·4 in Greenock and 7·9 in Kilmarnock. In Glasgow the rate was 10·3 and in Edinburgh 8·0.

Deaths registered in these towns during the month numbered 5,036 and are 1,535 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 4,724, of whom 2,324 were males and 2,400 were females. The corrected number is 1,511 more than in the previous month, males being 651 more and females 860 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 21·8 per thousand, being 6·9 above that for the previous month and 5·3 above the average. In the towns taken individually the death-rate ranged from 30·4 in Coatbridge, 26·7 in Dunfermline and 25·0 in Dundee, to 16·7 in Paisley, 16·8 in Hamilton and 17·7 in Ayr. In Perth the rate was 24·2, in Greenock 23·4, in Falkirk 22·8, in Glasgow 22·6, in Edinburgh 21·2, in Kirkcaldy

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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20·2, in Kilmarnock 19·7, in Motherwell and Wishaw 19·6, in Clydebank 18·2 and in Aberdeen 18·1.

Deaths of children of less than one year old numbered 444, and equalled an infantile mortality rate of 111 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 36 more than in the previous month, while the rate is 9 more than in that month but 4 below the average. In the individual towns this rate ranged from 220 in Coatbridge, 145 in Ayr and 137 in Greenock, to 42 in Dunfermline, 53 in Hamilton, 56 in Paisley and 56 in Kirkcaldy. In Glasgow the rate was 132, in Motherwell and Wishaw 117, in Dundee 116, in Aberdeen 86, in Kilmarnock 82, in Edinburgh 74, in Falkirk 70, in Clydebank 68 and in Perth 67.

Deaths from the principal epidemic diseases numbered 928 and equalled a death-rate of 4·3 per thousand. These deaths are 804 more than in the previous month and the rate is 3·7 more. They include none from typhoid fever, 2 from measles, 4 from scarlet fever, 104 from whooping-cough, 26 from diphtheria, 771 from influenza, 10 from cerebro-spinal fever, and 11 from other epidemic diseases, 7 of which were ascribed to erysipelas and 4 to lethargic encephalitis. Compared with the number in the previous month deaths from measles are 2 more, from scarlet fever 2 fewer, from whooping-cough 64 more, from diphtheria 4 more, from influenza 733 more, from cerebro-spinal fever 5 more, and from other epidemic diseases 2 fewer. The deaths from measles are the first recorded in any month since October of last year.

The principal feature of the month under review was the widespread epidemic of influenza. The number of deaths registered as due to this cause (771) is the largest recorded for any month since January 1929, when it was 824. On the present occasion these deaths first showed a tendency to increase in the week ending 2nd January of this year, after which they increased steadily week by week to a maximum of 256 in the week ending 23rd. Thereafter they declined rapidly. The week of the maximum number of deaths varied in the individual towns. Thus Falkirk and Dunfermline had their maximum in the first week of the month (that ending 9th January), Glasgow and Motherwell in the second week, several towns (including Edinburgh) in the third week, and Dundee and Aberdeen, with one or two others, in the fourth week. The death-rate per thousand, which was 3·6 for the sixteen towns, was highest in Dunfermline (10·3), in Dundee (5·1), in Kirkcaldy (4·5), and in Edinburgh (4·2). In the great epidemic of 1918-1919 nearly 40 per cent of the deaths were of persons aged between 15 and 35, but on this occasion, as in the epidemic in the early months of 1929, the deaths occurred mainly among elderly people, only 10 per cent. being at ages between 15 and 35.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 996, and equalled a death-rate of 4·6 per thousand. Compared with the number in the previous month these deaths are 385 more, while the rate is 1·8 more and is 1·1 above the average.

Deaths from all forms of tuberculosis numbered 214, of which 170 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 22 more, and those from respiratory tuberculosis 13 more. Compared with the average the former are 5 fewer and the latter 6 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JANUARY 1937.

Mean barometric pressure, 29·618 ins.; less than the average* by 0·279 in.

Mean temperature, 40·6 F.; greater by 1·5 F.

Mean daily range of temperature, 9·0 F.; greater by 0·1 F.

Mean daily sunshine, 1·05 hour; less by 0·12 hour.

Rain, depth in inches, 4·03; greater by 1·22 in.

Wind, direction of: a nine days' excess of winds between east and south.

Unsettled conditions with heavy precipitation—often in the form of snow—and frequent gales were experienced everywhere in Scotland. A series of depressions passing to the south of Iceland brought strong winds or gales to all coasts during the first week, and these conditions continued with only a few breaks throughout

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

the month. An area of relatively high pressure, associated with an anticyclone to the south-west of the British Isles, resulted in a brief period of fair weather in the southern half of Scotland about the 14th. There was little abatement of the strong winds or gales, however, which were especially severe in Shetland, north-east Scotland and along the western seaboard. At Stornoway gusts exceeding 60 miles per hour were recorded every day from the 8th to the 15th (excepting 13th) and again from the 20th to the 23rd. During this period (8th to the 23rd) winds attaining gale force were recorded during 189 hours at Stornoway. Gusts of 68 or 69 miles per hour occurred on the 9th, 15th, 22nd and 23rd. Less severe conditions were experienced in the south on the 19th and 20th, when some stations had good sunshine records. A gale which sprang up along the north-east coast on the night of 23rd/24th continued almost unabated to the end of the month apart from a break on the 29th. Severe snowstorms swept Scotland in the last week and many roads were rendered impassable.

Mean temperature exceeded the normal in all districts, the greatest excess, 2 to 3 degrees F., occurring in Western Inverness, Perth and in the Border country. In Orkney and Shetland temperature was only just above normal. Shade maxima exceeding 50° F. were recorded at many places in the north and east on the 3rd, but in most places the highest temperatures of the month occurred between the 22nd and 24th. The maximum values reported were 59° F. at Glenbranter (Argyll) on the 22nd and 58° F. at Montrose on the 3rd, at Inchkeith on the 11th and at Dunbar on the 22nd. In many areas the coldest weather of the month occurred during the last week, but the absolute minimum values were all recorded earlier. These were 19° F. at Dalwhinnie on the 19th, 21° F. at Braemar on the 14th, 22° F. at Balmoral on the 14th and 15th and at Eskdalemuir on the 8th. Ground frosts were recorded on all days except from 10th to 13th and the 18th. The most severe were at Dalwhinnie, where 11° F. was registered on the 19th, 15° F. on the 14th and 16° F. on the 20th; 16° F. was also recorded at Dumfries on the 14th and 17° F. at Onich on the 19th.

The duration of sunshine was rather below normal generally, though slight excesses occurred in places as widely separated as Stornoway, Inverness, Montrose and Edinburgh. The longest durations were 56 hours at Dunbar, 53 hours at Montrose and Forres, 52 hours at Edinburgh and 51 hours at Inverness. Only 12 hours sunshine was registered at Lerwick, 15 hours at Fort William and 16 hours at Greenock.

The rainfall of the month was everywhere above normal. In the east of Scotland, and especially Aberdeenshire, the excess was remarkable. Aberdeen with a rainfall of 4·96 inches experienced the wettest January since records commenced in 1871. Balmoral and Braemar with 11·80 and 13·41 inches respectively had more than four times the normal rainfall. At Braemar it was not only the wettest January, but by far the wettest month since records began in 1866. Totals for the month exceeding 20 inches were reported from the Western Highlands. Daily falls exceeding an inch were extremely common, and falls exceeding 2 inches occurred in the Highlands on the 1st, 3rd, 4th and 24th. The highest daily amounts reported were 3·30 inches at Kinlochquoich on the 3rd, 3·28 inches at Braemar on the 24th, 2·70 inches at Glenquoich on the 3rd, and 2·65 inches at Balmoral on the 24th. More than an inch of rain fell on no less than 8 days in the month at Inveraray, Kinlochquoich, Arrochar (Dumbarton) and Tyndrum (Perthshire).

Snow or sleet fell on 23 days. The storms of the 29th to 31st were especially severe. Undrifted snow was 15 inches deep in Aberdeenshire and 10 inches deep in Fife, which experienced the most severe snowstorm for years. Roads became blocked and traffic dislocated in most districts.

Hail was reported on 22 days. Most reports were confined to the first few days and the last week of January.

Fog was experienced on 10 days but was never widespread nor particularly dense.

Gales occurred on every day during the month and were often of extreme severity. The Orkneys and Shetlands experienced one of the stormiest months on record. Steamboat services were entirely disorganized and considerable damage was done along the coasts. Lerwick had 18 gales during the month, including an unbroken succession from the 15th to 26th.

Thunder was reported on 10 days, most from stations in the west. The storm on the 22nd extended over a considerable area in southern and central Scotland.

Aurora was only observed on the 7th, but the display on that evening was seen in all districts and was of unusual brilliance, even so far south as Edinburgh.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 8.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JANUARY 1937.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS (Both Sexes.)		
									Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes)
GLASGOW, . . .	1,088,524	1,119,900	1940	1001	939	1824	116	984	2317	1182	1135	209	42	2150
EDINBURGH, . .	439,010	468,500	575	238	287	535	40	317	996	442	524	133	9	842
DUNDEE, . . .	175,681	179,300	259	128	131	243	16	152	391	175	216	12	1	380
ABERDEEN, . .	169,803	178,300	242	122	120	221	21	131	306	148	158	40	8	274
PAISLEY, . . .	86,445	90,500	148	83	65	141	7	66	129	54	75	18	17	123
GREENOCK, . .	78,949	80,800	132	67	65	127	5	51	163	81	82	6	4	161
MOTHERWELL AND WISHAW, .	64,710	66,800	120	62	58	116	4	70	93	54	44	..	13	111
CLYDEBANK, . .	46,952	48,000	76	37	39	76	..	35	40	19	21	..	34	74
KIRKCALDY, . .	43,874	44,900	68	33	35	66	2	33	73	40	33	4	8	77
COATBRIDGE, . .	43,056	43,700	67	35	32	64	2	50	103	53	50	1	11	113
KILMARNOCK, .	38,631	40,100	59	34	25	57	2	27	71	40	31	19	15	67
HAMILTON, . . .	37,990	38,500	85	45	40	82	3	44	53	32	21	2	4	55
AYR,	38,905	40,700	52	32	20	49	3	23	76	35	41	18	3	61
FALKIRK, . . .	36,566	38,200	53	23	30	50	3	32	85	46	39	15	4	74
DUNFERMLINE, .	35,058	36,500	38	19	19	38	..	32	78	42	36	12	17	83
PERTH,	35,051	36,000	46	22	24	46	..	26	87	38	49	18	5	74
TOTAL (SIXTEEN TOWNS)	2,459,255	2,550,700	3960	2031	1929	3735	225	2073	5036	2481	2555	507	195	4724

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JANUARY 1937.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tubercu- losis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	20.4	6.0	10.3	24.4	22.6	4.3	1.0	0.8	5.5	249	132	
EDINBURGH, .	14.5	7.0	8.0	24.3	21.2	4.9	0.8	0.7	4.0	46	74	
DUNDEE, . .	17.0	6.2	10.0	25.7	25.0	6.0	0.8	0.7	3.9	31	116	
ABERDEEN, .	16.0	8.7	8.6	20.2	18.1	2.1	0.6	0.4	2.7	22	86	
PAISLEY, . .	19.3	4.7	8.6	16.8	16.7	1.8	1.2	0.9	3.1	8	56	
GREENOCK, .	19.2	3.8	7.4	23.7	23.4	2.9	1.5	1.2	6.0	19	137	
MOTHERWELL AND WISHAW,	21.2	3.3	12.3	17.3	19.6	4.2	1.2	1.2	4.4	13	117	
CLYDEBANK, .	18.7	0.0	8.6	9.8	18.2	2.7	1.2	1.2	3.9	5	68	
KIRKCALDY, .	17.8	2.9	8.7	19.1	20.2	4.5	0.5	0.0	2.6	3	56	
COATBRIDGE, .	18.1	4.5	13.5	27.8	30.4	6.5	2.7	1.9	5.9	20	220	
KILMARNOCK, .	17.3	3.4	7.9	20.9	19.7	4.4	0.3	0.3	2.4	6	82	
HAMILTON, . .	26.0	3.5	13.4	16.2	16.8	4.3	1.2	0.6	3.7	4	53	
AYR,	15.1	5.8	6.7	22.0	17.7	1.7	1.4	1.4	4.1	9	145	
FALKIRK, . . .	16.3	5.7	9.9	26.2	22.8	4.0	1.2	0.9	3.7	4	70	
DUNFERMLINE,	12.2	0.0	10.3	25.1	26.7	10.3	0.0	0.0	4.5	2	42	
PERTH, . . .	15.1	0.0	8.5	28.5	24.2	2.6	1.3	1.0	4.6	3	67	
TOTAL. (SIXTEEN TOWNS)	18.3	5.7	9.6	23.2	21.8	4.3	1.0	0.8	4.6	414	111	

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JANUARY 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JAN. 1937.	18.3	5.7	9.6	21.8	0	2	4	104	26	771	10	11	111	40° 6
JAN. 1936.	19.2	5.6	9.4	18.1	1	10	6	14	16	80	6	17	139	36° 4
JAN. 1935.	18.3	5.9	10.7	15.7	1	11	8	65	27	103	3	9	100	40° 5
JAN. 1934.	19.8	6.4	10.9	14.4	0	4	19	14	29	31	12	26	94	41° 7
JAN. 1933.	15.1	6.1	9.5	20.5	2	4	13	113	18	444	21	23	146	36° 3
JAN. 1932.	19.5	5.9	9.2	14.0	0	100	14	11	27	30	12	19	95	43° 2
JAN. 1931.	19.9	6.5	8.9	16.4	2	4	9	35	23	42	23	19	118	37° 3
JAN. 1930.	21.0	6.9	9.2	15.7	0	79	11	23	36	26	12	24	123	39° 4
JAN. 1929.	21.0	6.7	9.2	30.7	0	1	7	81	33	824	15	16	176	35° 1
JAN. 1928.	21.3	6.3	10.7	19.0	1	192	11	58	57	60	9	22	142	40° 2
JAN. 1927.	20.9	6.1	9.7	15.7	0	10	8	32	31	74	3	13	117	39° 5

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.														85 & over.
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-				
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4	Measles -	2	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-		
5	Scarlet Fever -	4	4	-	-	3	-	-	1	-	-	-	-	-	-	-	-		
6	Whooping-cough -	104	42	62	40	61	3	-	-	-	-	-	-	-	-	-	-		
7	Diphtheria -	26	11	15	-	9	9	2	4	-	2	-	-	-	-	-	-		
8	Influenza -	771	356	415	24	14	2	5	36	45	92	98	148	169	162	36	-		
14 (1)	Cerebro-spinal Fever -	10	10	-	2	4	1	1	-	1	-	1	-	-	-	-	-		
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	11	7	4	1	-	-	-	-	3	1	2	1	2	1	-	-		
10	Tuberculosis of Respiratory System -	170	98	72	3	2	1	5	37	40	33	29	13	7	-	-	-		
11	Other Tuberculous Diseases -	44	22	22	2	8	8	7	9	4	1	3	2	-	-	-	-		
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	13	9	4	2	4	2	-	-	2	-	2	1	-	-	-	-		
15	Cancer, Malignant Disease -	324	147	177	-	-	-	-	1	4	19	41	78	114	58	9	-		
18	Diabetes Mellitus -	50	13	37	-	-	-	-	1	1	3	4	11	18	10	2	-		
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	86	35	51	3	-	4	2	5	4	7	15	15	20	8	3	-		
22	Cerebral Hemorrhage, &c. -	281	115	166	1	1	-	1	-	3	3	23	57	98	79	15	-		
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	85	50	35	16	4	4	3	6	3	7	13	14	7	5	3	-		
24	Heart Disease -	831	408	423	1	-	2	6	8	15	32	72	163	251	226	55	-		
25	Other Circulatory Diseases -	78	48	30	-	1	-	-	-	-	-	7	7	32	23	8	-		
26	Bronchitis -	397	209	188	15	3	-	1	4	2	16	41	69	119	103	24	-		
27	Pneumonia (all forms) -	542	280	262	104	73	5	3	21	31	41	63	70	72	52	7	-		
28	Other Respiratory Diseases -	57	22	35	2	-	1	-	2	2	7	6	10	11	10	6	-		
32 (1)	Gastric and Duodenal Ulcer -	23	15	8	-	-	-	-	-	2	4	7	4	2	4	-	-		
29	Diarrhoea, &c. (all ages) -	39	23	16	31	2	-	-	-	1	1	-	-	2	1	1	-		
30	Appendicitis -	18	10	8	-	-	-	1	6	2	1	-	2	3	-	-	-		
31 (1)	Cirrhosis of Liver -	6	5	1	-	-	-	-	-	-	2	2	-	2	-	-	-		
31 (2)	Other Diseases of Liver, &c. -	11	3	8	-	-	-	-	1	-	1	5	2	2	-	-	-		
32 (2)	Other Digestive Diseases -	49	21	28	3	4	-	1	2	3	4	5	9	14	4	-	-		
33	Acute and Chronic Nephritis -	92	44	48	-	-	-	4	6	3	9	13	25	16	12	4	-		
34	Other Dis. of Genito-Urinary System -	61	50	11	1	1	-	1	1	3	2	7	12	17	11	5	-		
35	Puerperal Sepsis -	9	-	9	-	-	-	-	2	6	1	-	-	-	-	-	-		
36	Other Puerperal Causes -	13	-	13	-	-	-	-	2	6	5	-	-	-	-	-	-		
37	Diseases of Skin and Locomotor System -	24	10	14	6	3	1	-	1	1	-	3	1	6	2	-	-		
38	Congen. Debil., Prem. Birth, Malform., &c. -	183	99	84	182	-	1	-	-	-	-	-	-	-	-	-	-		
39	Old Age -	124	39	85	-	-	-	-	-	-	-	-	-	14	76	34	-		
40	Suicide -	24	15	9	-	-	-	-	-	4	-	7	2	7	3	1	-		
42	Other Violence (41) -	111	72	39	4	9	3	2	6	9	8	7	19	20	22	2	-		
43	Causes ill-defined or Unknown -	51	31	20	-	-	-	-	1	2	1	7	9	19	11	1	-		
	ALL CAUSES -	4724	2324	2400	444	207	47	45	166	199	309	474	753	1042	823	215	-		

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	2	...	...	...	...	...	1	...	...
5	Scarlet Fever	4	4	...	...	...	...	...	...	...
6	Whooping-cough	104	56	19	13	...	1	2	2	...
7	Diphtheria	26	9	3	1	3	3	1	...	3
8	Influenza	771	331	169	77	28	8	16	21	8
14 (1)	Cerebro-spinal Fever	10	6	...	1	1	2	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	11	7	2	...	...	...	...	1	...
10	Tuberculosis of Respiratory System ...	170	79	26	11	6	7	8	7	5
11	Other Tuberculous Diseases	44	20	7	1	3	2	2	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	13	6	2	2	2	...	...	...	...
15	Cancer, Malignant Disease	324	121	65	29	24	14	9	7	7
18	Diabetes Mellitus	50	26	9	...	1	1	4	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	86	37	19	5	6	3	4	...	1
22	Cerebral Hæmorrhage, &c.	281	103	56	20	24	9	10	7	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	85	38	9	5	3	2	6	2	2
24	Heart Disease	831	353	160	88	61	28	17	17	11
25	Other Circulatory Diseases	78	30	13	5	8	2	6	3	...
26	Bronchitis	397	188	72	22	13	8	23	15	4
27	Pneumonia (all forms)	542	312	72	32	26	13	15	9	11
28	Other Respiratory Diseases	57	25	15	5	2	3	3	1	1
32 (1)	Gastric and Duodenal Ulcer	23	8	8	2	2	1	...	...	...
29	Diarrhoea, &c. (all Ages)	39	27	4	...	1	...	1	1	...
30	Appendicitis	18	7	3	1	3	1	...	...	1
31 (1)	Cirrhosis of Liver	6	2	...	2	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	11	6	1	...	1	...	1	1	...
32 (2)	Other Digestive Diseases	49	22	14	1	3	1	2	1	2
33	Acute and Chronic Nephritis	92	38	12	10	10	6	...	2	4
34	Oth. Diseases of Genito-Urinary System	61	27	15	1	5	...	3	2	...
35	Puerperal Sepsis	9	6	...	...	1	...	...	...	1
36	Other Puerperal Causes	13	8	2	1	1	1	...	...	...
37	Dis. of Skin, and of Locomotor System	24	15	3	1	2	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	183	89	18	15	17	4	9	7	4
39	Old Age	124	47	16	19	4	2	9	1	...
40	Suicide	24	7	8	4	...	...	1	1	...
42	Other Violence (41)	111	51	20	6	9	6	5	1	4
43	Causes Ill-defined or Unknown	51	39	...	...	3	...	2	1	...
	All Causes	4724	2150	842	380	274	128	161	111	74
	AGE AT DEATH.									
	Under 1	444	249	46	31	22	8	19	13	5
	1- 4	207	104	28	17	14	6	8	2	2
	5- 9	47	22	2	3	3	4	2	1	3
	10-14	45	26	2	3	2	2	3	1	...
	15-24	166	78	27	15	5	4	8	6	3
	25-34	199	92	28	15	11	7	7	8	6
	35-44	309	140	56	23	11	12	11	7	8
	45-54	474	226	81	42	21	11	17	11	15
	55-64	753	360	141	48	42	16	15	18	15
	65-74	1042	480	199	71	74	34	33	19	8
	75-84	823	304	173	82	50	23	31	22	8
	85 and over	215	69	59	30	19	1	7	3	1
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	4724	2150	842	380	274	128	161	111	74

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	1	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	10	...	...	1	...	...	...
7	Diphtheria ... ..	...	1	...	1	1	...	...	...
8	Influenza	17	13	14	12	4	13	32	8
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ... ..	...	...	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ... ..	...	7	1	2	5	3	...	3
11	Other Tuberculous Diseases	2	3	...	2	...	1	...	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13) ... ..	...	1	...	...	...	...	...	...
15	Cancer, Malignant Disease	5	8	5	2	8	5	9	6
18	Diabetes Mellitus ... ..	...	...	2	...	...	4	...	2
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19) ... ..	...	1	2	...	...	4	1	3
22	Cerebral Hæmorrhage, &c.	7	6	8	5	8	3	6	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	3	4	2	1	...	2	2	4
24	Heart Disease	16	17	8	10	9	12	9	15
25	Other Circulatory Diseases	3	1	1	...	2	2	...	2
26	Bronchitis	7	9	2	8	5	4	8	9
27	Pneumonia (all forms)	3	13	6	4	2	8	6	3
28	Other Respiratory Diseases ... ..	...	...	...	...	...	...	...	2
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	1	...	...	1	...	...
29	Diarrhoea, &c. (all Ages) ... ..	...	1	1	...	1	...	...	2
30	Appendicitis ... ..	...	...	1	...	...	...	1	...
31 (1)	Cirrhosis of Liver	1	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	1	...	...	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	...	...	...	...	1	1	1
33	Acute and Chronic Nephritis ... ..	...	1	1	1	2	2	...	3
34	Oth. Diseases of Genito-Urinary System ... ..	...	2	1	...	...	3	2	...
35	Puerperal Sepsis	1	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System ... ..	...	...	...	...	1	...	...	1
38	Congenital Debility, Premature Birth, Malformationz, &c.	1	8	3	3	1	3	...	1
39	Old Age	7	5	4	1	3	1	2	3
40	Suicide	2	...	...	...	...	...	1	...
42	Other Violence (41)	2	2	...	...	1	1	3	...
43	Causes Ill-defined or Unknown ... ..	...	...	2	2	...	1	...	1
	All Causes	77	113	67	55	61	74	83	74
	AGE AT DEATH.								
	Under 1	3	20	6	4	9	4	2	3
	1-4	2	14	2	2	1	1	2	2
	5-9	1	3	...	1	...	1	...	1
	10-14 ... ..	...	1	1	1	...	...	1	2
	15-24	3	4	1	3	2	4	1	2
	25-34	3	2	1	4	2	2	5	6
	35-44	2	5	7	5	3	7	9	3
	45-54	6	11	3	3	4	10	7	6
	55-64	12	19	8	9	14	17	10	9
	65-74	22	18	17	9	9	11	23	15
	75-84	19	13	20	10	15	15	20	18
	85 and over	4	3	1	4	2	2	3	7
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	77	113	67	55	61	74	83	74

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of JANUARY 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL. [†]	AIR TEMPERATURE.				HYGROMETER.*				RAIN AND OTHER FORMS OF PRECIPITATION.		BRIGHT SUNSHINE.	
			Mean of		Absolute Maximum and Minimum.		Mean of		Number of Days.		Difference from Average.		Hours per Day.	
			Maximum (A.)	Minimum (B.)	Maximum.	Minimum.	Day of Month.	Day of Month.	Humidity.	Total Fall.	inch.	inch.	Daily Mean.	Difference from Average.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	85	Mb. 1002.8 29.613	° F. 45.4	° F. 37.2	° F. 54	° F. 22nd	30th	° F. 41.0	° F. 1.5	7.6	87	0.57	0.37	-0.10
EDINBURGH, Professor R. A. SAMPTON, F.R.S., Royal Observatory.	441	1003.3 29.628	44.0	36.1	55	22nd	29, 30	39.6	1.9	7.0	83	1.69	1.69	+0.05
DUNDEE, College Gardens.	147	1002.7 29.610	44.1	34.5	55	22nd	30th	40.1	1.9	7.0	83	1.53	1.53	-0.14
ABERDEEN, The Meteorological Office.	79	1003.1 29.623	44.0	36.9	54	3rd	30th	40.5	2.0	7.1	83	1.37	1.37	-0.13
PAISLEY, John Woodrow, The Coats Observatory.	106	1002.8 29.613	45.3	37.4	53	22nd	19, 30	40.9	1.4	7.7	87	0.83	0.83	-0.20
GREENOCK, J. MacALISTER, M.Inst. C.E., Greenock Waterworks.	199	1002.7 29.609	45.2	36.9	54	22nd	30th	40.4	1.6	7.2	86	0.50	0.50	..
KIRKCALDY, The Medical Officer of Health.	63	..	46.2	34.1	57	21st	15th	42.0	2.5	7.1	79	2.61	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	45.9	36.2	54	22, 23	19th	40.7	1.3	7.8	89	1.05	1.05	+0.05
AYR, The Medical Officer of Health.	43	..	46.5	37.1	54	22nd	8, 19, 27	42.2	1.6	7.8	86	0.89	0.89	..
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	44.4	35.5	56	21, 22	30th	40.0	1.6	7.2	86	1.39	1.39	..
PERTH, J. RICHIE, The Museum.	76	1003.4 29.630	45.3	35.3	56	22nd	14th	39.2	1.1	7.2	90	0.97	0.97	-0.39
Means	146	1003.0 29.618	45.1	36.1	..	..	..	40.6	1.7	7.3	85	1.05	1.05	-0.12

North Latitude.—Glasgow, 56° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 2'; Paisley, 55° 51'; Greenock, 55° 58'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 53'; Aberdeen, 2° 8'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9th. and 21th., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9th. only, and at Aberdeen at 7th. and 18th.

† Barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

FEBRUARY 1937.

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REPORT

During the month of February 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,611 living children, of whom 1,802 were males and 1,809 were females. Compared with the number in the previous month, births of male children are 229 fewer, of female children 120 fewer, and of children of both sexes 349 fewer. The monthly birth-rate in these towns taken collectively was 18·5 per thousand. This rate is 0·2 more than that for the previous month, but is 0·4 below the average.

In the individual towns the monthly birth-rate ranged from 25·1 in Coatbridge, 23·7 in Greenock and 22·3 in Hamilton, to 10·6 in Falkirk, 11·8 in Dunfermline and 14·6 in Edinburgh. In Motherwell and Wishaw it was 20·7, in Kilmarnock 20·5, in Clydebank 20·1, in Glasgow 20·0, in Paisley 19·4, in Ayr 19·2, in Kirkcaldy 18·3, in Aberdeen 18·1, in Perth 16·7 and in Dundee 15·6.

Of the 3,611 living children whose births were registered during the month, 3,417 or 94·6 per cent. were legitimate, while 194 or 5·4 per cent. were illegitimate. The legitimate children numbered 318 fewer than in the previous month, and the illegitimate children 31 fewer. The illegitimate rate for the month is 0·3 below that for the previous month. In the individual towns it ranged from 12·1 in Hamilton, 8·7 in Perth and 7·5 in Greenock, to 2·2 in Paisley, 2·4 in Coatbridge and 2·7 in Clydebank. In Glasgow the rate was 5·5 and in Edinburgh 5·2.

Marriages registered during the month numbered 1,152 and are 921 fewer than in the previous month. The marriage-rate, 5·9 per thousand, is 3·7 below that for the previous month and 0·4 below the average. In the individual towns it ranged from 8·3 in Ayr, 7·5 in Kirkcaldy and 6·8 in Hamilton, to 3·3 in Clydebank, 4·0 in Perth and 4·2 in Greenock. In Glasgow the rate was 6·1 and in Edinburgh 6·2.

Deaths registered in these towns during the month numbered 3,708 and are 1,328 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,401, of whom 1,715 were males

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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and 1,686 were females. The corrected number is 1,323 fewer than in the previous month, males being 609 fewer and females 714 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 17·4 per thousand, being 4·4 below that for the previous month but 0·8 above the average. In the towns taken individually the death-rate ranged from 24·7 in Ayr, 20·4 in Dundee and 18·9 in Greenock, to 10·4 in Kirkcaldy, 12·3 in Falkirk and 13·2 in Dunfermline. In Edinburgh the rate was 18·1, in Aberdeen 18·1, in Coatbridge 17·9, in Kilmarnock 17·9, in Paisley 17·6, in Motherwell and Wishaw 17·2, in Glasgow 17·1, in Hamilton 14·5, in Perth 13·8, and in Clydebank 13·3.

Deaths of children of less than one year old numbered 369, and equalled an infantile mortality rate of 102 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 75 fewer than in the previous month, while the rate is 9 less than in that month and 18 below the average. In the individual towns this rate ranged from 160 in Dundee, 154 in Kilmarnock, 143 in Kirkcaldy and 143 in Ayr, to 24 in Perth, 30 in Clydebank and 44 in Hamilton. In Paisley the rate was 115, in Motherwell and Wishaw 109, in Coatbridge 108, in Greenock 103, in Glasgow 100, in Edinburgh 99, in Dunfermline 95, in Aberdeen 83, and in Falkirk 63.

Deaths from the principal epidemic diseases numbered 402 and equalled a death-rate of 2·1 per thousand. These deaths are 526 fewer than in the previous month and the rate is 2·2 less. They include none from typhoid fever, 2 from measles, 3 from scarlet fever, 76 from whooping-cough, 22 from diphtheria, 270 from influenza, 14 from cerebro-spinal fever, and 15 from other epidemic diseases, 10 of which were ascribed to erysipelas and 5 to lethargic encephalitis. Compared with the number in the previous month deaths from measles are the same, from scarlet fever 1 fewer, from whooping-cough 28 fewer, from diphtheria 4 fewer, from influenza 501 fewer, from cerebro-spinal fever 4 more, and from other epidemic diseases 4 more.

Deaths from influenza, as already indicated, numbered 270, as compared with 771 in January. Of these deaths 103 were of males and 167 of females, this comparative excess of females being more marked than in January. The return for the latter month showed that the maximum number (256) occurred in the third week of January. Since then the number of deaths has declined steadily, being only 23 in the week ending 27th February. The death-rate from this cause was 1·4 per thousand as against 3·6 in January. The highest local death-rates were 2·6 in Kilmarnock, 2·4 in Aberdeen and in Greenock, and 2·3 in Motherwell and Wishaw. None of these towns appeared in the list of the four highest rates for January.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 588, and equalled a death-rate of 3·0 per thousand. Compared with the number in the previous month these deaths are 408 fewer, while the rate is 1·6 less and is 0·4 below the average.

Deaths from all forms of tuberculosis numbered 229, of which 184 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 15 more, and those from respiratory tuberculosis 14 more. Compared with the average the former are 23 more and the latter 22 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

FEBRUARY 1937.

Mean barometric pressure, 29·462 ins.; less than the average* by 0·410 in.

Mean temperature, 39°·0 F.; less by 0°·5 F.

Mean daily range of temperature, 9°·0 F.; less by 0°·5 F.

Mean daily sunshine, 3·03 hours; greater by 1·03 hour.

Rain, depth in inches, 3·91; greater by 1·12 in.

Wind, direction of: one day's excess of winds from north and one from south.

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1906-35.

Boisterous conditions with excessive precipitation in the form of rain or snow but relieved by some brilliantly sunny days characterised the weather of February. A series of depressions passing across Scotland on a north-easterly track caused heavy rain in all districts during the first nine days of the month. Fair conditions spread over Scotland on the 10th and 11th, but with the advance of a deep depression south-west of Iceland on the 12th there was a renewal of wintry conditions. Weather of a showery type prevailed through the greater part of the second half of the month but there was a spell of fair weather from the 20th to the 23rd, when daily records of 8 to 9 hours sunshine were reported from several places in the southern half of Scotland. Severe northerly gales and unusually heavy snowfalls were associated with a deep depression over the North Sea on the 27th and 28th. Wind gusts up to 75 and 76 miles per hour were recorded at Tiree and Stornoway respectively on the 28th. At Edinburgh the extremes of pressure were 29·95 ins. on the 15th and 28·84 ins. on the 27th. Paradoxically Edinburgh experienced the wettest February since 1925 and the sunniest February since 1907.

Mean temperature was below the normal in most districts, but the deficiency was small except at some places in the Highlands and the extreme north, where it exceeded 2° F. There was a slight excess over the normal in Roxburghshire. The warmest days were the 4th and 14th, when maxima of 50° F. or above were recorded in all districts except the extreme north-east, the Orkneys and Shetlands. The highest values reported were 55° F. at Stirling on the 17th, 54° F. at Kelso on the 14th, 53° F. at Forres and Gordon Castle on the 4th, and at Leuchars, Paisley and Dumfries on the 14th. In most districts the coldest weather of the month was experienced during the 24th and the last two days.

The absolute minimum values reported were 11° F. at Braemar and 16° F. at Balmoral and Dalwhinnie, all on the 24th. Ground frosts were registered at one place or another on every day except the 16th. The lowest reported were 6° F. at Braemar on the 24th, 9° F. at Balmoral on the 12th and 10° F. at Braemar and Dalwhinnie on the 12th.

The duration of sunshine was above the normal in most districts, but an area with deficient sunshine extended south-west from the Moray Firth on either side of the Caledonian Canal. The eastern districts were most favoured, upwards of 100 hours being recorded at Craibstone, Leuchars, Montrose, Dundee, St. Andrews, Edinburgh, Aberdeen and North Berwick. Edinburgh (103 hours) and Aberdeen (101 hours) had the sunniest February since 1907 and 1908 respectively. The largest deficiency occurred at Fort Augustus, where only 35 hours sunshine was recorded.

There was a slight deficiency of rain in the extreme west and in the outer isles, but elsewhere the total precipitation was above the average, the excess amounting to about 80 per cent. of the normal in the district around Edinburgh. The comparatively large totals were due to the persistency of the rainfall rather than to any heavy individual falls. The largest daily amounts reported were 1·94 inch at Glen Shiel (Ross), 1·72 inch at Loch Duich (Ross), and 1·65 inch at Glenquoich (Inverness), all on the 4th.

Snow or sleet fell on every day except the 3rd, 4th, 14th, 15th and 17th. The heaviest falls occurred on the 27th and 28th, when drifts up to 5 feet were reported from several places in the southern counties. Glenferness (Nairn) reported drifts from 7 to 12 feet deep. Many roads were blocked for long periods.

Hail was reported from widely scattered stations on 22 days.

Fog was reported on 12 days but was not widespread. It was fairly persistent in the Clyde area from the 11th to 13th.

Gales occurred on 19 days and were most prevalent in the west and north. Tiree had gales on 13 days and Stornoway on 9 days.

Thunder was reported from one station or other on 7 days. A storm on the afternoon of the 22nd caused damage to telephones in Thurso.

Aurora was observed on 7 days. It was seen so far south as Eskdalemuir and St. Abbs Head on the evening of the 9th.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, FEBRUARY 1937.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS (Both Sexes.)				
								Both Sexes.		Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes.)	
GLASGOW, . . .	1,088,524	1,119,900	1717	861	856	1622	95	523	1607	830	777	179	39	1467	
EDINBURGH, . .	439,010	468,500	524	266	258	497	27	224	741	361	380	105	13	649	
DUNDEE, . . .	175,681	179,300	214	111	103	201	13	68	292	150	142	22	10	280	
ABERDEEN, . .	169,803	178,300	243	131	117	235	13	88	232	145	137	41	6	247	
PAISLEY, . . .	86,445	90,500	135	64	71	132	3	39	115	59	56	13	20	122	
GREENOCK, . .	78,949	80,800	147	72	75	136	11	26	121	62	59	13	9	117	
MOTHERWELL AND WISHAW, . .	64,710	66,800	106	52	54	103	8	26	78	33	45	1	11	88	
CLYDEBANK, . .	46,952	48,000	74	31	43	72	2	12	34	16	13	2	17	49	
KIRKCALDY, . .	43,874	44,900	63	30	33	60	3	26	36	17	19	4	4	36	
COATBRIDGE, . .	43,056	43,700	84	47	37	82	2	15	49	24	25	1	12	60	
KILMARNOCK, . .	38,681	40,100	63	29	34	60	3	15	53	23	30	9	11	55	
HAMILTON, . . .	37,990	38,500	66	26	40	58	8	20	39	26	13	1	5	43	
AYR, . . .	33,905	40,700	60	33	27	56	4	26	103	59	44	29	3	77	
FALKIRK, . . .	36,566	38,200	31	17	14	30	1	18	55	29	26	21	2	36	
DUNFERMLINE, . .	35,058	36,500	33	9	24	31	2	15	48	24	24	14	3	37	
PERTH, . . .	35,051	36,000	46	23	23	42	4	11	55	22	33	18	1	38	
TOTAL (SIXTEEN TOWNS)	2,459,255	2,550,700	3611	1802	1809	3417	194	1152	3703	1380	1323	473	166	3401	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, FEBRUARY 1937.

TOWNS.	Birth- Rate per 1000 of Population.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	20.0	5.5	6.1	13.7	17.1	1.7	1.3	1.1	3.0	171	100
EDINBURGH, . .	14.6	5.2	6.2	20.6	18.1	2.4	1.2	0.9	3.1	55	99
DUNDEE, . . .	15.6	6.1	4.9	21.2	20.4	3.1	1.0	0.7	4.6	33	160
ABERDEEN, . . .	18.1	5.2	6.4	20.6	18.1	2.9	0.4	0.3	2.3	19	83
PAISLEY, . . .	19.4	2.2	5.6	16.6	17.6	1.9	1.6	1.2	2.4	15	115
GREENOCK, . . .	23.7	7.5	4.2	19.5	18.9	3.2	1.3	1.0	2.7	13	103
MOTHERWELL AND WISHAW, . .	20.7	2.8	5.1	15.2	17.2	2.7	1.0	1.0	2.7	11	109
CLYDEBANK, . .	20.1	2.7	3.3	9.2	13.3	0.8	0.8	0.8	2.4	2	30
KIRKCALDY, . .	18.3	4.8	7.5	10.4	10.4	0.9	0.6	0.0	1.2	7	143
COATBRIDGE, . .	25.1	2.4	4.5	14.6	17.9	1.5	1.5	1.5	5.1	9	108
KILMARNOCK, . .	20.5	4.8	4.9	17.2	17.9	3.6	1.3	1.3	2.3	10	154
HAMILTON, . . .	22.3	12.1	6.8	13.2	14.5	1.7	0.0	0.0	3.4	3	44
AYR, . . .	19.2	6.7	8.3	33.0	24.7	2.6	2.6	2.6	4.5	8	143
FALKIRK, . . .	10.6	3.2	6.1	13.3	12.3	0.0	0.0	0.0	1.7	3	63
DUNFERMLINE, . .	11.8	6.1	5.3	17.1	13.2	2.1	1.4	1.1	2.1	4	95
PERTH, . . .	16.7	8.7	4.0	19.9	13.8	0.0	1.1	1.1	1.5	1	24
TOTAL (SIXTEEN TOWNS)	18.5	5.4	5.9	19.0	17.4	2.1	1.2	0.9	3.0	369	102

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR FEBRUARY 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
FEB. 1937.	18·5	5·4	5·9	17·4	0	2	3	76	22	270	14	15	102	39°·0	
FEB. 1936.	18·8	5·4	6·4	16·6	2	17	8	11	12	37	6	26	116	36°·4	
FEB. 1935.	18·3	6·1	6·3	16·6	1	7	11	68	21	110	6	15	108	40°·7	
FEB. 1934.	19·1	6·8	6·3	14·5	0	7	18	18	26	22	16	17	121	42°·9	
FEB. 1933.	18·4	5·7	5·9	17·6	0	2	10	73	16	187	21	19	111	39°·4	
FEB. 1932.	20·2	5·9	6·5	17·7	3	111	21	29	27	102	20	17	142	40°·4	
FEB. 1931.	20·8	6·9	5·9	17·6	1	4	7	110	22	101	23	12	124	38°·1	
FEB. 1930.	21·0	7·1	5·6	17·3	1	78	10	33	32	42	10	21	122	35°·1	
FEB. 1929.	20·7	6·8	5·6	24·4	1	2	6	63	30	600	30	30	144	34°·2	
FEB. 1928.	20·2	7·0	6·5	15·8	0	120	5	79	37	42	5	15	111	40°·5	
FEB. 1927.	21·5	6·5	6·3	16·5	0	16	8	54	33	122	6	14	120	40°·1	

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.	
1	Typhoid Fever (including Paratyphoid)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	Measles	2	-	2	1	1	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever	3	1	2	-	2	-	-	1	-	-	-	-	-	-	-	
6	Whooping-cough	76	37	39	30	44	2	-	-	-	-	-	-	-	-	-	
7	Diphtheria	22	14	8	1	11	8	1	1	-	-	-	-	-	-	-	
8	Influenza	270	103	167	6	8	1	-	10	16	27	26	47	52	66	11	
14 (1)	Cerebro-spinal Fever	14	12	2	5	6	-	1	-	-	-	-	2	-	-	-	
14 (2)	Other Epidemic Diseases (2, 3, 9)*	15	9	6	1	-	-	-	-	2	1	3	3	4	-	1	
10	Tuberculosis of Respiratory System	184	98	86	2	3	2	3	44	41	33	27	19	10	-	-	
11	Other Tuberculous Diseases	45	23	22	-	7	12	6	4	4	4	1	2	4	1	-	
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	16	8	8	3	1	-	-	1	4	-	-	2	5	-	-	
15	Cancer, Malignant Disease	291	147	144	-	-	1	-	2	5	16	48	73	110	33	3	
18	Diabetes Mellitus	32	8	24	-	-	-	-	2	-	2	6	7	12	2	1	
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	46	16	30	1	2	2	3	2	6	4	10	9	5	2	-	
22	Cerebral Hæmorrhage, &c.	282	141	141	-	1	-	-	-	-	5	24	49	106	78	19	
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	68	29	39	12	2	2	3	-	10	4	8	14	9	4	-	
24	Heart Disease	638	316	322	-	-	2	4	8	12	23	56	105	201	191	36	
25	Other Circulatory Diseases	53	29	24	-	-	-	-	1	-	2	3	6	16	21	4	
26	Bronchitis	249	129	120	23	1	-	-	2	2	5	16	38	67	68	27	
27	Pneumonia (all forms)	296	165	131	79	52	4	-	8	14	14	23	41	27	29	5	
28	Other Respiratory Diseases	43	25	18	3	2	-	-	3	2	-	5	10	7	10	1	
32 (1)	Gastric and Duodenal Ulcer	26	21	5	-	-	-	-	1	3	6	5	6	2	2	1	
29	Diarrhoea, &c. (all ages)	38	26	12	29	-	1	1	-	-	3	-	-	4	-	-	
30	Appendicitis	13	7	6	-	-	-	-	2	1	1	1	5	3	-	-	
31 (1)	Cirrhosis of Liver	7	3	4	-	-	-	-	-	-	-	3	2	2	-	-	
31 (2)	Other Diseases of Liver, &c.	17	4	13	-	-	-	-	-	1	1	1	6	4	4	-	
32 (2)	Other Digestive Diseases	54	25	29	2	1	2	-	1	1	2	7	9	16	11	2	
33	Acute and Chronic Nephritis	84	45	39	-	-	-	1	4	2	5	9	17	22	23	1	
34	Other Dis. of Genito-Urinary System	50	36	14	4	-	-	-	1	1	5	6	9	14	9	1	
35	Puerperal Sepsis	10	-	10	-	-	-	-	1	6	3	-	-	-	-	-	
36	Other Puerperal Causes	7	-	7	-	-	-	-	2	4	1	-	-	-	-	-	
37	Diseases of Skin and Locomotor System	27	15	12	7	5	-	-	2	2	2	-	1	6	1	1	
38	Congen. Debil., Prem. Birth, Malform., &c.	151	92	59	149	2	-	-	-	-	-	-	-	-	-	-	
39	Old Age	108	37	71	-	-	-	-	-	-	-	-	-	9	72	27	
40	Suicide	22	13	9	-	-	-	-	2	4	3	5	5	1	2	-	
42	Other Violence (41)	94	56	38	9	7	7	4	3	7	8	10	6	14	15	4	
43	Causes ill-defined or Unknown	48	25	23	2	-	-	-	-	1	2	11	8	15	8	1	
	ALL CAUSES	3401	1715	1686	369	158	46	29	107	151	182	318	496	747	652	146	

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	2	1	...	...	...	...	1	...	...
5	Scarlet Fever	3	3	...	...	...	...	...	...	...
6	Whooping-cough	76	41	7	16	2	2	3	...	...
7	Diphtheria	22	7	3	1	2	4	...	2	1
8	Influenza	270	79	73	23	33	6	15	12	2
14 (1)	Cerebro-spinal Fever	14	7	...	2	1	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	15	8	3	1	1	...	1	...	...
10	Tuberculosis of Respiratory System ...	184	95	31	9	4	8	6	5	3
11	Other Tuberculous Diseases	45	19	12	5	1	3	2	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	16	8	3	...	2	...	...	...	1
15	Cancer, Malignant Disease	291	117	62	21	23	10	11	7	6
18	Diabetes Mellitus	32	14	6	...	1	2	1	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	46	29	5	3	1	2	2	...	1
22	Cerebral Hæmorrhage, &c.	282	118	58	19	26	7	5	4	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	68	28	12	7	3	3	3	5	3
24	Heart Disease	638	278	133	53	46	27	19	9	10
25	Other Circulatory Diseases	53	27	5	4	8	2	3	1	...
26	Bronchitis	249	109	53	22	11	7	10	7	4
27	Pneumonia (all forms)	296	135	50	39	17	7	7	4	5
28	Other Respiratory Diseases	43	15	8	2	3	3	...	3	...
32 (1)	Gastric and Duodenal Ulcer	26	11	3	5	1	2	1	...	...
29	Diarrhoea, &c. (all Ages)	38	26	1	1	2	1	2	1	...
30	Appendicitis	13	5	3	2	1	...	...	...	1
31 (1)	Cirrhosis of Liver	7	5	1	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	17	5	6	1	...	1	2	...	1
32 (2)	Other Digestive Diseases	54	25	11	5	3	2	2	1	...
33	Acute and Chronic Nephritis	84	29	19	7	7	3	5	2	2
34	Oth. Diseases of Genito-Urinary System	50	24	5	3	6	...	...	2	...
35	Puerperal Sepsis	10	3	1	2	2	...	...	1	...
36	Other Puerperal Causes	7	4	...	...	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	27	15	5	...	2	...	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	151	65	26	5	11	7	4	8	1
39	Old Age	108	36	21	10	13	2	6	5	2
40	Suicide	22	8	5	2	1	1	...	2	...
42	Other Violence (41)	94	35	15	9	10	8	4	1	...
43	Causes Ill-defined or Unknown	48	33	3	1	2	1	1	3	...
	All Causes	3401	1467	649	280	247	122	117	88	49
	AGE AT DEATH.									
	Under 1	369	171	55	38	19	15	13	11	2
	1-4	158	72	24	19	7	3	5	2	1
	5-9	46	19	8	3	6	4	1	1	...
	10-14	29	14	4	3	1	1	1	1	...
	15-24	107	42	19	6	5	5	4	8	5
	25-34	151	68	23	7	12	9	8	7	1
	35-44	182	87	31	17	10	6	9	2	3
	45-54	318	151	54	29	19	11	14	11	5
	55-64	496	233	104	32	25	16	13	8	9
	65-74	747	334	147	50	56	23	26	15	13
	75-84	652	231	141	63	67	24	12	21	8
	85 and over	146	45	39	13	20	5	4	1	2
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	3401	1467	649	280	247	122	117	88	49

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	3	1	...	1	...	...	...
7	Diphtheria ... ..	...	...	...	...	2	...	...	...
8	Influenza	3	2	8	4	4	...	6	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	2	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	...	5	4	...	8	...	3	3
11	Other Tuberculous Diseases	2	...	...	...	...	...	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	1	...	...	1
15	Cancer, Malignant Disease	4	6	2	8	4	6	1	3
18	Diabetes Mellitus	1	3	...	...	...	1	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	...	...	...	...	2	...	...
22	Cerebral Hæmorrhage, &c.	4	4	5	4	9	5	5	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	...	2	1	...	...	...	1
24	Heart Disease	8	6	8	6	13	7	6	9
25	Other Circulatory Diseases ... ..	...	...	...	1	1	1	...	...
26	Bronchitis	2	8	4	2	5	...	3	2
27	Pneumonia (all forms)	2	9	3	5	7	3	3	...
28	Other Respiratory Diseases ... ..	...	...	...	3	2	2	...	2
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	1	1	...	...	1	...
29	Diarrhoea, &c. (all Ages) ... ..	...	...	1	...	1	1	1	...
30	Appendicitis ... ..	...	1	...	...	...	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	1	...	...	...	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	...	1	1	...	1	1	1
33	Acute and Chronic Nephritis ... ..	...	1	2	...	4	1	...	2
34	Oth. Diseases of Genito-Urinary System	...	3	...	1	...	2	...	4
35	Puerperal Sepsis ... ..	...	1	...	...	...	...	...	...
36	Other Puerperal Causes	1	...	...	...	...	...	...	1
37	Dis. of Skin, and of Locomotor System	1	2	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	5	2	5	3	5	2	1	1
39	Old Age	1	1	1	1	3	1	3	2
40	Suicide	1	...	2	...	...	...	...	...
42	Other Violence (41) ... ..	...	1	2	...	5	1	1	2
43	Causes Ill-defined or Unknown ... ..	...	1	1	1	1	...	...	...
	All Causes	36	60	55	43	77	36	37	38
	AGE AT DEATH.								
	Under 1	7	9	10	3	8	3	4	1
	1- 4	2	9	2	2	6	...	3	1
	5- 9 ... ..	...	1	...	1	1	1	...	...
	10-14	1	1	1	...	...	...	...	1
	15-24	1	4	2	2	1	...	1	2
	25-34 ... ..	...	3	4	1	5	...	1	2
	35-44	2	4	2	2	4	1	1	1
	45-54	2	1	...	5	8	2	1	5
	55-64	3	8	7	11	10	7	5	5
	65-74	9	10	14	8	15	14	10	3
	75-84	9	8	11	7	16	7	10	10
	85 and over ... ..	...	2	2	1	3	1	1	7
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	36	60	55	43	77	36	37	38

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of FEBRUARY 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* MEAN SEA LEVEL.†	AIR TEMPERATURE.					HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.			BRIGHT SUNSHINE.					
			Mean of	Difference from Average.	Absolute Maximum and Minimum.		Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Hours per Day.		Per Cent. of Possible.				
					Maximum.	Day of Month.								Minimum.	Day of Month.		° F.	° F.	° F.	° F.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	85	Mb. inches. 998.3 29.480	° F. 43.6 35.5	° F. -0.2 39.5	° F. 52 30	28th	28th	38.8 1.4	7.1	% 87	25	4.74 +1.86	2.55	+1.07	27					
EDINBURGH, R. A. SAMPSON, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	997.4 29.453	42.3 34.7	38.5 -0.6	51 30	22, 24, 27, 28	37.3 1.5	6.4	85	18	3.02 +1.36	3.63	+1.03	39						
DUNDEE, College Gardens.	147	997.0 29.443	42.3 34.0	38.4 -0.2	51 29	12th	37.4 1.9	6.1	81	18	2.98 +1.10	3.71	+1.09	39						
ABERDEEN, The Meteorological Office.	79	996.3 29.420	42.1 34.6	38.3 -1.0	47 28	24th	37.6 2.3	6.1	79	21	2.32 +0.27	3.63	+1.17	39						
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	997.7 29.463	44.7 35.2	39.9 -0.1	53 30	12, 27	38.8 1.5	7.0	86	24	5.05 +1.54	2.81	+0.92	30						
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	998.5 29.486	43.4 35.1	39.3 -0.2	51 30	28th	38.6 1.8	6.7	83	24	5.86 +0.24	2.20	..	23						
KIRKCALDY, The Medical Office of Health.	63	.. ..	43.6 33.1	38.3 -1.6	52 27	12th	36.9 1.5	6.4	85	18	3.58 ..	..	..	..			
KILMARNOCK, W. DUNBAR, C.E.	132	.. ..	44.5 34.6	39.5 -0.2	51 27	22nd	38.1 0.9	7.1	91	24	4.76 +1.89	2.62	+0.80	23					
AYR, The Medical Office of Health.	43	.. ..	45.6 36.4	41.0 ..	51 29	27th	39.9 1.6	7.2	86	22	3.82 ..	2.54	..	27					
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	.. ..	43.0 33.2	38.1 ..	52 27	12, 22	37.0 1.1	6.6	89	19	3.91 ..	3.17	..	33					
PERTH, J. RITCHIE, The Museum.	76	998.6 29.489	43.1 32.9	38.0 -0.5	51 25	12, 24	36.5 0.9	6.8	92	15	2.94 +0.67	3.43	+1.14	36						
Means	146	997.7 29.462	43.5 34.5	39.0 -0.5	.. ..	.. ..	37.9 1.5	6.7	86	21	3.91 +1.12	3.03	+1.03	32				
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 49'; Perth, 3° 27'; Mean, 3° 36'.																				

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 38'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24';
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 55'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27';

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.
† Barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29.531 mercury inches) and inches.

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MONTHLY RETURN

Births, Deaths, and Marriages

OF THE

IN

Sixteen of the Principal Towns of Scotland

MARCH 1937.

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REPORT

During the month of March 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,988 living children, of whom 2,056 were males and 1,932 were females. Compared with the number in the previous month, male births are 254 more, female births 123 more, and those of children of both sexes 377 more. The monthly birth-rate in these towns taken collectively was 18·4 per thousand. This rate is 0·1 less than that for the previous month, and is 1·1 below the average.

In the individual towns the monthly birth-rate ranged from 24·1 in Hamilton, 23·4 in Greenock and 19·2 in Dundee, to 14·1 in Perth, 15·4 in Ayr and 16·0 in Kirkcaldy. In Glasgow the rate was 19·1, in Dunfermline 19·0, in Paisley 18·7, in Motherwell and Wishaw 18·7, in Falkirk 18·2, in Aberdeen 17·6, in Kilmarnock 17·3, in Coatbridge 17·2, in Clydebank 16·7 and in Edinburgh 16·5.

Of the 3,988 living children whose births were registered during the month, 3,783 or 94·9 per cent. were legitimate, while 205 or 5·1 per cent. were illegitimate. The legitimate children numbered 366 more than in the previous month, and the illegitimate children 11 more. The illegitimate rate for the month is 0·3 below that for the previous month. In the individual towns it ranged from 11·8 in Clydebank, 6·6 in Motherwell and Wishaw and 5·9 in Edinburgh, to 0 in Kilmarnock and Ayr and 2·5 in Hamilton. In Glasgow the rate was 5·4.

Marriages registered during the month numbered 1,502 and are 350 more than in the previous month. The marriage rate, 6·9 per thousand, is 1·0 above that for the previous month and 1·2 above the average. In the individual towns it ranged from 8·6 in Falkirk, 8·2 in Aberdeen and 7·5 in Ayr, to 4·9 in Clydebank, 5·0 in Greenock, 5·2 in Dunfermline and 5·2 in Perth. In Glasgow the rate was 7·2 and in Edinburgh 7·4.

Deaths registered in these towns during the month numbered 3,834 and are 126 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,541, of whom 1,865 were males

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

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and 1,676 were females. The corrected number is 140 more than in the previous month, males being 150 more but females 10 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 16·3 per thousand, being 1·1 below that for the previous month but 0·5 above the average. In the towns taken individually the death-rate ranged from 19·7 in Ayr, 19·0 in Perth and 18·6 in Greenock, to 12·7 in Motherwell and Wishaw, 13·1 in Kirkcaldy and 13·2 in Falkirk. In Dundee the rate was 17·8, in Coatbridge 16·7, in Glasgow 16·6, in Edinburgh 16·3, in Kilmarnock 16·2, in Aberdeen 16·1, in Clydebank 15·5, in Paisley 14·4, in Hamilton 14·1, and in Dunfermline 13·9.

Deaths of children of less than one year old numbered 457, and equalled an infantile mortality rate of 115 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 88 more than in the previous month, while the rate is 13 more than in that month and 1 above the average. In the individual towns this rate ranged from 198 in Dundee, 196 in Perth and 186 in Kilmarnock, to 40 in Hamilton, 72 in Motherwell and Wishaw and 76 in Paisley. In Ayr the rate was 167, in Kirkcaldy 145, in Greenock 144, in Clydebank 139, in Falkirk 132, in Aberdeen 113, in Glasgow 110, in Edinburgh 94, in Coatbridge 89 and in Dunfermline 83.

Deaths from the principal epidemic diseases numbered 228 and equalled a death-rate of 1·1 per thousand. These deaths are 174 fewer than in the previous month and the rate is 1·0 less. They include none from typhoid fever, 6 from measles, 7 from scarlet fever, 104 from whooping-cough, 19 from diphtheria, 64 from influenza, 10 from cerebro-spinal fever, and 18 from other epidemic diseases, 13 of which were ascribed to erysipelas, 3 to lethargic encephalitis, 1 to dysentery and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from measles are 4 more, from scarlet fever 4 more, from whooping-cough 28 more, from diphtheria 3 fewer, from influenza 206 fewer, from cerebro-spinal fever 4 fewer, and from other epidemic diseases 3 more.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza, numbered 597, and equalled a death-rate of 2·8 per thousand. Compared with the number in the previous month these deaths are 9 more, while the rate is 0·2 less and is 0·4 below the average.

Deaths from all forms of tuberculosis numbered 223, of which 167 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 6 fewer, and those from respiratory tuberculosis 17 fewer. Compared with the average the former are 1 fewer and the latter 2 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MARCH 1937.

Mean barometric pressure, 29·707 ins. ; less than the average* by 0·123 in.

Mean temperature, 36°·9 F. ; less by 4°·0 F.

Mean daily range of temperature, 10°·9 F. ; less by 0°·4 F.

Mean daily sunshine, 3·28 hours; less by 0·14 hour.

Rain, depth in inches, 1·98; less by 0·77 in.

Wind, direction of : six days' excess of north and north-easterly winds.

Persistent cold with widespread winter precipitation, especially in the period 11th to 13th, were the main features of the weather of March. The strong northerly winds and squally snow showers of late February continued during the opening days. A period of cold easterly winds with occasional snow showers associated with the passage of depressions across France and Germany followed from the 3rd to the 7th. Temperatures remained low, but there was considerable sunshine in the

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1906-35.

next few days. From the 11th to the 13th a deep depression moved north-eastward from the Bristol Channel and snow or sleet fell generally over Scotland. Transport was disorganised and in many places conditions were the worst experienced for some years. Under the influence of a wedge of high pressure to the south of these Islands fine sunny weather was enjoyed on the 14th and 15th. A deep depression which appeared off the west of Ireland on the 16th brought about a renewal of stormy weather which lasted for several days. Wind gusts up to 77 m.p.h. were recorded at Kirkwall on the 21st. Less severe weather with some good sunshine records, especially in western districts, occurred in the succeeding week. Fair dry and cold weather obtained under anticyclonic conditions from the 27th to 30th, when a depression to the south of Iceland caused a return of strong winds in the north. Stornoway reported a gust of 64 m.p.h. early on the 31st. At Edinburgh the extremes of pressure for the month were 30·28 ins. on the 29th and 30th and 29·12 ins. on the 13th.

The month was one of exceptional coldness. Judged by its mean temperature it was the coldest March in Scotland since 1919. In that year March was the coldest month of that name for at least 60 years. In the past month the mean temperature was at least 3 degrees below normal in all districts, and the deficiency exceeded 6 degrees at Braemar, Balmoral and Inverness. The coldest day was the 8th, on which temperatures of 0° F. were observed at Braemar and Dalwhinnie. These were the lowest screen temperatures recorded in the month of March since 1917. The highest temperature reported was 55° F. at Kilmarnock on the 19th. 1937 ranks with 1919 as the only years in which the thermometer failed to reach an appreciably higher level in March for at least 80 years. Ground frosts occurred on every day except the 20th. The lowest values reported were—2° F. at Braemar and 0° F. at Dalwhinnie, both on the 8th. At the latter station ground frosts were recorded on 28 days.

The duration of sunshine was above normal at some places in the west and extreme north, but below normal over all eastern and central districts. The highest totals reported were 144 hours at Duntulm (Skye), 143 hours at Oban and 141 hours at Stornoway. Lerwick's total of 127 hours represents an excess of 34 hours over the normal. Several places in the south and east had less than 90 hours sunshine, and at Peebles and Balerno the totals were only 73 and 74 hours respectively.

Rainfall was below normal in most districts but exceeded the normal along the east coast and at some inland places. The area of greatest deficiency embraced parts of Argyll and Inverness-shire, where only a quarter of the normal fall was recorded. The greatest percentage of excess occurred at Balmoral, where the total, 5·31 inches, was 86 per cent. above the normal. The wettest days were the 16th and 17th, when falls exceeding an inch were measured over a wide area. The largest reported on the 16th were 1·92 ins. at Glendevon (Frandy), 1·66 ins. at Dunoon (Benmore), 1·54 at West Hopes (East Lothian) and 1·53 at Ardarroch Gardens (Dumbarton). On the 17th the largest falls were 1·77 inches at Johnston Lodge (Kincardine) and 1·58 at Brechin (Angus).

Snow fell at one place or another on every day up to the 28th. Severe blizzards occurred from the 11th to the 14th and roads in all parts of the country were blocked by the heavy drifts.

Hail was reported from widely scattered stations from the 1st to the 18th and on the 21st and 28th.

Fog was reported on 19 days, mostly in the Clyde area. Glasgow had fog on 9 days.

Gales occurred on 14 days but were not of a severe type except in the extreme north-west and north on the 1st and 31st. Wick reported gales on 7 days and Stornoway on 6 days.

The only reports of thunder were from Ruthwell (17th) and Rothesay (15th and 19th).

Aurora was observed on 9 days, the most southerly station reporting it being Paisley, where it was seen on the 1st and 24th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 24.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MARCH 1937.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	REGISTERED.			TRANSFERS (Both Sexes.)				
								Both Sexes.		Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes)	
GLASGOW, . . .	1,088,524	1,119,900	1817	929	888	1719	93	681	1731	963	763	184	32	1579	
EDINBURGH, . .	439,010	468,500	657	357	300	618	39	294	744	377	367	114	18	648	
DUNDEE, . . .	176,681	179,800	292	145	147	280	12	87	292	125	167	27	6	271	
ABERDEEN, . .	169,808	178,800	266	131	135	251	15	124	280	153	127	40	4	244	
PAISLEY, . . .	86,445	90,500	144	64	80	137	7	50	111	62	49	18	18	111	
GREENOCK, . .	78,949	80,800	161	85	76	154	7	34	129	75	54	7	6	128	
MOTHERWELL AND WISHAW, .	64,710	66,800	106	58	48	99	7	33	55	32	23	..	17	72	
CLYDEBANK, . .	46,952	48,000	63	35	33	60	8	20	35	13	22	2	30	63	
KIRKCALDY, . .	43,874	44,900	61	31	30	59	2	23	49	17	32	4	5	50	
COATBRIDGE, . .	43,056	43,700	64	36	28	62	2	27	53	26	32	4	8	62	
KILMARNOCK, . .	38,681	40,100	59	26	33	59	..	21	50	29	21	10	15	55	
HAMILTON, . .	37,990	38,500	79	49	30	77	2	22	35	25	10	1	12	46	
AYR, . . .	33,905	40,700	53	23	25	53	..	26	33	39	44	23	8	68	
FALKIRK, . . .	86,566	88,200	59	33	26	57	2	28	49	31	18	8	2	43	
DUNFERMLINE, .	85,058	36,500	59	23	31	57	2	16	54	22	32	16	5	43	
PERTH, . . .	35,051	36,000	43	21	22	41	2	16	79	33	41	23	2	56	
TOTAL (SIXTEEN TOWNS)	2,459,255	2,550,700	3988	2056	1932	3783	205	1502	3834	2027	1807	481	188	3541	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MARCH 1937.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Trans- fers.						
GLASGOW, . . .	19.1	5.4	7.2	18.2	13.6	1.2	1.2	0.9	3.1	207	110
EDINBURGH, . .	16.5	5.9	7.4	18.7	16.3	0.9	0.9	0.8	2.4	58	94
DUNDEE, . . .	19.2	4.1	5.7	19.2	17.8	1.1	0.9	0.5	4.4	52	198
ABERDEEN, . .	17.6	5.6	8.2	18.5	16.1	0.6	0.5	0.5	2.3	29	113
PAISLEY, . . .	18.7	4.9	6.5	14.4	14.4	1.2	1.0	0.8	2.2	11	76
GREENOCK, . .	23.4	4.3	5.0	18.8	18.6	1.6	1.6	1.2	2.8	20	144
MOTHERWELL AND WISHAW, .	18.7	6.6	5.8	9.7	12.7	0.4	0.7	0.7	1.4	8	72
CLYDEBANK, . .	16.7	11.8	4.9	8.6	15.5	1.2	1.2	0.5	3.2	10	139
KIRKCALDY, . .	16.0	3.3	6.0	12.8	13.1	0.5	1.0	0.8	0.8	8	145
COATBRIDGE, . .	17.2	3.1	7.3	15.6	16.7	1.6	1.1	0.5	1.6	8	89
KILMARNOCK, . .	17.3	0.0	6.2	14.7	16.2	2.6	0.6	0.3	1.8	13	186
HAMILTON, . .	24.1	2.5	6.7	10.7	14.1	0.6	0.9	0.3	2.4	3	40
AYR, . . .	15.4	0.0	7.5	24.0	19.7	0.6	1.4	0.9	2.0	10	167
FALKIRK, . . .	18.2	3.4	8.6	15.1	13.2	0.0	0.3	0.3	1.2	7	132
DUNFERMLINE, .	19.0	3.4	5.2	17.4	13.9	0.6	0.3	0.3	1.9	4	83
PERTH, . . .	14.1	4.7	5.2	25.9	19.0	0.0	1.3	1.0	2.3	9	196
TOTAL . (SIXTEEN TOWNS)	18.4	5.1	6.9	17.7	16.3	1.1	1.0	0.8	2.8	457	115

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MARCH 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
MAR. 1937, .	18.4	5.1	6.9	16.3	0	6	7	104	19	64	10	18	115	36° 9
MAR. 1936, .	19.5	5.3	6.1	15.7	3	56	1	20	19	49	13	26	104	42° 9
MAR. 1935, .	19.3	5.8	5.3	16.2	2	4	8	85	33	224	4	11	115	43° 8
MAR. 1934, .	19.2	5.9	5.4	14.8	0	63	23	15	32	32	14	20	109	40° 4
MAR. 1933, .	19.2	6.0	5.0	13.8	0	6	12	61	17	50	26	18	89	44° 0
MAR. 1932, .	20.5	5.9	6.2	18.8	0	147	18	23	25	229	18	27	152	41° 5
MAR. 1931, .	21.4	6.4	5.7	18.1	0	5	7	126	19	159	23	21	120	37° 8
MAR. 1930, .	21.2	6.7	6.4	17.5	1	127	6	59	30	57	28	30	130	39° 6
MAR. 1929, .	20.2	6.8	5.1	17.4	0	3	6	73	20	118	41	18	107	43° 4
MAR. 1928, .	21.9	6.1	5.0	16.8	1	138	3	106	30	54	15	18	121	40° 5
MAR. 1927, .	23.0	5.9	6.1	16.8	0	22	7	79	26	224	14	20	112	43° 8

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													55 & over
					-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	65-69	
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles -	6	3	3	1	5	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	7	4	3	-	4	2	-	-	1	-	-	-	-	-	-	-	-
6	Whooping-cough -	104	43	61	49	51	4	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	19	8	11	10	6	1	-	-	-	-	-	-	-	-	-	-	-
8	Influenza -	64	33	31	1	1	1	-	3	-	7	7	9	22	10	3	-	-
14 (1)	Cerebro-spinal Fever -	10	6	4	7	1	-	1	-	1	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	18	9	9	3	-	-	1	1	-	3	-	2	5	3	-	-	-
10	Tuberculosis of Respiratory System -	167	103	64	1	1	-	4	46	43	21	19	25	5	2	-	-	-
11	Other Tuberculous Diseases -	56	35	21	3	13	10	3	14	6	1	2	3	1	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	10	7	3	4	1	-	1	-	-	-	-	4	-	-	-	-	-
15	Cancer, Malignant Disease -	352	157	195	-	-	-	-	-	5	25	48	104	122	43	5	-	-
18	Diabetes Mellitus -	35	13	22	-	-	-	1	1	-	-	-	6	13	9	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	71	22	49	5	2	3	2	6	5	16	13	11	6	-	-	-	-
22	Cerebral Haemorrhage, &c. -	299	147	152	-	-	-	-	-	4	17	62	107	96	13	-	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	94	45	49	21	5	3	1	6	8	8	14	12	12	4	-	-	-
24	Heart Disease -	736	385	351	-	-	3	2	8	16	24	57	145	260	173	48	-	-
25	Other Circulatory Diseases -	64	43	21	2	-	-	-	-	2	1	3	10	20	18	8	-	-
26	Bronchitis -	211	111	100	16	3	-	-	-	1	7	20	37	61	52	14	-	-
27	Pneumonia (all forms) -	317	204	113	82	34	4	2	15	19	20	39	47	35	16	4	-	-
28	Other Respiratory Diseases -	69	36	33	8	2	3	1	2	3	7	5	18	14	6	-	-	-
32 (1)	Gastric and Duodenal Ulcer -	38	28	10	-	-	-	-	-	3	5	11	8	8	2	1	-	-
29	Diarrhoea, &c. (all ages) -	52	33	19	33	8	1	-	2	-	3	1	-	1	3	-	-	-
30	Appendicitis -	27	16	11	-	-	2	2	7	5	4	2	1	2	2	-	-	-
31 (1)	Cirrhosis of Liver -	12	5	7	-	-	-	-	1	-	-	-	6	4	1	-	-	-
31 (2)	Other Diseases of Liver, &c. -	18	6	12	-	-	-	-	-	1	1	1	4	10	1	-	-	-
32 (2)	Other Digestive Diseases -	48	21	27	3	-	1	-	-	2	3	11	9	13	5	1	-	-
33	Acute and Chronic Nephritis -	87	39	48	-	1	-	-	5	6	4	15	15	29	10	2	-	-
34	Other Dis. of Genito-Urinary System -	48	33	15	-	-	-	-	2	6	1	2	9	21	6	1	-	-
35	Puerperal Sepsis -	7	-	7	-	-	-	-	-	4	2	-	-	-	-	-	-	-
36	Other Puerperal Causes -	13	-	13	-	-	-	-	3	5	5	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	22	12	10	1	3	1	3	-	1	1	2	4	3	2	1	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	199	113	86	198	1	-	-	-	-	-	-	-	-	-	-	-	-
39	Old Age -	83	35	48	-	-	-	-	-	-	-	-	-	-	16	42	25	-
40	Suicide -	11	6	5	-	-	-	-	-	2	2	2	4	1	-	-	-	-
42	Other Violence (41) -	119	71	48	15	11	6	1	9	5	7	10	10	20	19	6	-	-
43	Causes ill-defined or Unknown -	48	33	15	3	-	-	-	-	-	1	6	14	18	6	-	-	-
	ALL CAUSES -	3541	1865	1676	457	156	50	26	130	150	175	312	581	834	537	132	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	6	...	...	...	...	...	4	...	...
5	Scarlet Fever	7	4	1	...	...	...	...	...	1
6	Whooping-cough	104	62	13	12	2	2	5	...	2
7	Diphtheria	19	7	2	...	3	5	...	...	1
8	Influenza	64	28	16	5	3	1	2	2	1
14 (1)	Cerebro-spinal Fever	10	6	2	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	18	10	1	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	167	86	31	8	7	6	8	4	2
11	Other Tuberculous Diseases	56	28	5	5	1	2	3	...	3
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	10	5	1	...	2	...	...	...	...
15	Cancer, Malignant Disease	352	147	61	23	30	15	17	6	6
18	Diabetes Mellitus	35	7	11	3	5	3	2	2	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	71	29	19	3	3	2	3	1	...
22	Cerebral Hæmorrhage, &c.	299	104	67	22	24	10	17	8	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	94	40	19	10	5	1	2	2	...
24	Heart Disease	736	299	158	53	66	22	17	18	15
25	Other Circulatory Diseases	64	23	13	5	7	3	1	3	1
26	Bronchitis	211	116	29	15	10	6	10	4	5
27	Pneumonia (all forms)	317	145	57	45	23	8	8	3	7
28	Other Respiratory Diseases	69	36	8	7	2	3	1	1	1
32 (1)	Gastric and Duodenal Ulcer	38	13	9	2	5	2	2	1	1
29	Diarrhoea, &c. (all Ages)	52	31	4	3	...	2	4	2	1
30	Appendicitis	27	14	3	2	3	...	1	...	...
31 (1)	Cirrhosis of Liver	12	4	...	2	1	...	...	1	...
31 (2)	Other Diseases of Liver, &c.	18	10	4	...	...	1	...	...	1
32 (2)	Other Digestive Diseases	48	22	10	3	3	2	2	3	...
33	Acute and Chronic Nephritis	87	39	21	4	6	3	3	2	1
34	Oth. Diseases of Genito-Urinary System	48	22	9	3	4	...	2	2	...
35	Puerperal Sepsis	7	2	1	1	1	...	1	...	...
36	Other Puerperal Causes	13	8	2	...	...	1	...	...	...
37	Dis. of Skin, and of Locomotor System	22	9	5	...	2	...	1	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	199	93	29	16	10	4	7	2	6
39	Old Age	83	39	12	8	2	3	2	1	1
40	Suicide	11	4	4	...	...	1	...	...	...
42	Other Violence (41)	119	52	19	10	12	2	3	4	2
43	Causes Ill-defined or Unknown ...	48	35	2	1	1	...	...	...	...
	All Causes ...	3541	1579	648	271	244	111	128	72	63
	AGE AT DEATH.									
	Under 1	457	207	58	52	29	11	20	8	10
	1-4	156	82	12	13	10	6	12	2	5
	5-9	50	27	6	3	2	2	3	...	...
	10-14	26	12	4	...	2	2	2	...	...
	15-24	130	59	16	10	6	3	11	4	2
	25-34	150	75	23	11	13	3	6	1	3
	35-44	175	75	33	15	13	6	6	2	4
	45-54	313	150	73	19	14	10	8	5	3
	55-64	581	268	121	36	42	17	7	21	9
	65-74	834	350	155	63	65	32	31	15	15
	75-84	537	228	109	39	40	15	17	13	9
	85 and over	132	46	38	10	8	4	5	1	3
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages ...	3541	1579	648	271	244	111	128	72	63

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	2	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	1	...	...	...	...	...
6	Whooping-cough ... ..	...	3	2	...	1	...	...	...
7	Diphtheria ... ..	...	...	...	1	...	...	...	...
8	Influenza	1	1	...	1	1	...	2	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	1	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	1	2	3	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	3	2	1	1	3	1	1	3
11	Other Tuberculous Diseases	1	2	1	2	2	...	...	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	1	1	...	...	...	...
15	Cancer, Malignant Disease	7	10	3	3	8	7	2	7
18	Diabetes Mellitus ... ..	...	...	...	...	2	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	1	1	...	3	1	1	3
22	Cerebral Hæmorrhage, &c.	8	5	3	5	9	3	4	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	3	2	4	...	1	1	3	1
24	Heart Disease	8	13	13	8	10	11	14	11
25	Other Circulatory Diseases	2	1	1	3	1	...	...	...
26	Bronchitis	1	2	3	2	2	2	4	...
27	Pneumonia (all forms)	1	3	3	1	5	2	2	4
28	Other Respiratory Diseases	1	1	...	5	...	...	...	3
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	...	2	1	...	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	...	...	3	...	2
30	Appendicitis ... ..	...	2	1	...	...	1	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	1	...	2	...	1	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	...	2	...
32 (2)	Other Digestive Diseases	1	1	...	1	...	...	...	...
33	Acute and Chronic Nephritis ... ..	...	2	...	...	2	...	...	4
34	Oth. Diseases of Genito-Urinary System	1	...	...	2	...	1	1	1
35	Puerperal Sepsis	1	...	...	...	...	...	...	...
36	Other Puerperal Causes	1	...	...	1	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	3	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	5	2	6	...	7	5	3	4
39	Old Age	2	3	1	...	4	2	2	1
40	Suicide ... ..	...	...	1	1	...	...	...	...
42	Other Violence (41)	1	4	1	4	1	1	1	2
43	Causes Ill-defined or Unknown ... ..	...	...	1	1	2	...	...	5
	All Causes	50	62	55	46	68	43	43	58
	AGE AT DEATH.								
	Under 1	8	8	13	3	10	7	4	9
	1- 4 ... ..	...	3	4	2	2	2	...	1
	5- 9	1	...	2	1	1	1	...	1
	10-14 ... ..	...	...	1	1	...	1	1	...
	15-24	1	6	4	2	3	1	2	...
	25-34	2	4	...	3	4	...	...	2
	35-44	4	3	4	4	2	2	...	2
	45-54	2	5	3	6	4	4	4	3
	55-64	8	7	6	5	11	9	4	10
	65-74	14	17	6	12	19	9	11	20
	75-84	8	8	11	5	9	7	12	7
	85 and over	2	1	1	2	3	...	5	3
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	50	62	55	46	68	43	43	58

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of MARCH 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.					HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.		
			Mean of		Absolute Maximum and Minimum.			Mean of		Difference from Average.		Number of Days.	Hours per Day.		Per Cent. of Possible.	
			Maximum (A.)	Minimum (B.)	Mean of A and B (Mean Tem- perature),	Difference from Average.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Total Fall.		Daily Mean.	Difference from Average.		
			° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	inch.	inch.	inch.	inch.		
GLASGOW, Professor J. R. CURRIE, M.D., The University.	85	Mb. 1005.7 Inches. 29.700	42.7	23.1	37.9	-3.3	50	19½	8, 13	27	° F. 36.9 ° Mb. 5.9	14	1.24	2.73	+0.10	23
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	1006.1	29.710	40.5	30.7	35.6	-4.7	48	19½	25	° F. 34.7 ° Mb. 5.8	19	1.70	3.13	-0.27	27
DUNDEE, College Gardens.	147	1005.5	29.693	41.7	31.8	36.7	-3.8	48	5, 19, 29	24	° F. 37.1 ° Mb. 5.7	19	3.52	3.20	-0.14	27
ABERDEEN, The Meteorological Office.	79	1005.9	29.706	40.2	32.4	36.3	-4.0	45	24, 29	25	° F. 36.2 ° Mb. 5.7	24	2.70	3.18	-0.33	27
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1005.9	29.706	44.2	32.5	38.3	-3.5	52	29½	26	° F. 37.1 ° Mb. 6.1	12	1.60	2.93	-0.23	25
GREENOCK J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1006.2	29.713	42.3	32.6	37.5	-3.4	43	29½	26	° F. 36.1 ° Mb. 5.8	11	1.65	3.46	..	29
KIRKCALDY, The Medical Officer of Health.	63	..	..	41.6	30.5	36.1	-5.5	48	29½	26	° F. 36.1 ° Mb. 5.5	14	2.34	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	44.8	30.3	37.5	-3.6	55	19½	22	° F. 36.9 ° Mb. 5.9	11	0.86	3.52	+0.28	30
AYR, The Medical Officer of Health.	43	..	..	43.1	32.1	37.6	..	52	20½	25	° F. 36.7 ° Mb. 6.1	9	0.87	3.67	..	33
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	42.0	30.4	36.2	..	49	30½	22	° F. 35.8 ° Mb. 6.0	15	2.16	3.54	..	30
PERTH, J. RITCHIE, The Museum.	76	1006.4	29.719	42.9	29.8	36.3	-4.4	50	24, 29, 31	17	° F. 35.4 ° Mb. 5.8	11	3.12	3.27	-0.20	28
Means	146	1005.9	29.707	42.4	31.5	36.9	-4.0	..	..	..	° F. 36.3 ° Mb. 5.8	14	1.98	3.28	-0.14	28
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.																

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 53'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.
† Barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

APRIL 1937.

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REPORT

During the month of April 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 4,490 living children, of whom 2,284 were males and 2,206 were females. Compared with the number in the previous month, male births are 228 more, female births 274 more, and those of children of both sexes 502 more. The monthly birth-rate in these towns taken collectively was 21·4 per thousand. This rate is 3·0 more than that for the previous month, and is 1·3 above the average.

In the individual towns the monthly birth-rate ranged from 25·1 in Greenock, 23·7 in Glasgow and 23·4 in Hamilton, to 14·9 in Perth, 16·2 in Ayr and 18·1 in Edinburgh. In Kilmarnock the rate was 22·2, in Coatbridge 22·0, in Dunfermline 21·6, in Kirkcaldy 21·1, in Falkirk 20·4, in Motherwell and Wishaw 20·2, in Dundee 19·9, in Aberdeen 19·7, in Clydebank 19·3 and in Paisley 19·0.

Of the 4,490 living children whose births were registered during the month, 4,239 or 94·4 per cent. were legitimate, while 251 or 5·6 per cent. were illegitimate. The legitimate children numbered 456 more than in the previous month, and the illegitimate children 46 more. The illegitimate rate for the month is 0·5 above that for the previous month. In the individual towns it ranged from 9·0 in Kirkcaldy, 7·3 in Aberdeen and 6·9 in Edinburgh, to 0 in Ayr, 1·6 in Falkirk and 3·8 in Coatbridge. In Glasgow the rate was 5·2.

Marriages registered during the month numbered 1,909 and are 407 more than in the previous month. The marriage-rate, 9·1 per thousand, is 2·2 above that for the previous month but 0·3 below the average. In the individual towns it ranged from 14·1 in Kirkcaldy, 13·5 in Perth and 10·3 in Dunfermline, to 3·6 in Kilmarnock, 5·1 in Falkirk and 6·2 in Motherwell and Wishaw. In Glasgow the rate was 9·6 and in Edinburgh 9·3.

Deaths registered in these towns during the month numbered 3,212 and are 622 fewer than in the previous month. Deducting deaths of persons with usual

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,865, of whom 1,497 were males and 1,368 were females. The corrected number is 676 fewer than in the previous month, males being 368 fewer and females 308 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 13·7 per thousand, being 2·6 below that for the previous month and 0·8 below the average. In the towns taken individually the death-rate ranged from 17·3 in Kilmarnock, 16·7 in Greenock and 15·6 in Perth, to 8·4 in Clydebank, 9·5 in Motherwell and Wishaw and 9·9 in Falkirk. In Ayr the rate was 15·3, in Aberdeen 14·1, in Glasgow 14·0, in Edinburgh 14·0, in Hamilton 13·6, in Dundee 12·8, in Paisley 12·8, in Coatbridge 12·5, in Dunfermline 11·7 and in Kirkcaldy 11·6.

Deaths of children of less than one year old numbered 381, and equalled an infantile mortality rate of 99 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 76 fewer than in the previous month, while the rate is 16 less than in that month but is the same as the average. In the individual towns this rate ranged from 164 in Kilmarnock, 151 in Kirkcaldy and 130 in Aberdeen, to 29 in Clydebank, 55 in Hamilton and 59 in Dundee. In Greenock the rate was 109, in Glasgow 106, in Ayr 103, in Paisley 94, in Coatbridge 94, in Edinburgh 90, in Dunfermline 83, in Falkirk 77, in Perth 68 and in Motherwell and Wishaw 65.

Deaths from the principal epidemic diseases numbered 161 and equalled a death-rate of 0·8 per thousand. These deaths are 67 fewer than in the previous month and the rate is 0·3 less. They include 1 from typhoid fever, 9 from measles, 5 from scarlet fever, 89 from whooping-cough, 12 from diphtheria, 21 from influenza, 14 from cerebro-spinal fever, and 10 from other epidemic diseases, 2 of which were ascribed to dysentery, 5 to erysipelas and 3 to lethargic encephalitis. Compared with the number in the previous month deaths from typhoid fever are 1 more, from measles 3 more, from scarlet fever 2 fewer, from whooping-cough 15 fewer, from diphtheria 7 fewer, from influenza 43 fewer, from cerebro-spinal fever 4 more, and from other epidemic diseases 8 fewer.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza, numbered 412, and equalled a death-rate of 2·0 per thousand. Compared with the number in the previous month these deaths are 185 fewer, while the rate is 0·8 less and is 0·2 below the average.

Deaths from all forms of tuberculosis numbered 239, of which 190 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 16 more, and those from respiratory tuberculosis 23 more. Compared with the average the former are 18 more and the latter 23 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

APRIL 1937.

Mean barometric pressure, 29·834 ins.; less than the average* by 0·085 in.

Mean temperature, 46°·7 F.; greater by 2°·2 F.

Mean daily range of temperature, 11°·1 F.; less by 2°·5 F.

Mean daily sunshine, 2·68 hours; less by 1·96 hour.

Rain, depth in inches, 1·66; less by 0·38 in.

Wind, direction of: a two days' excess of north-easterly and easterly winds.

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1906-35.

April brought warmer and less stormy conditions than those of the first quarter of 1937, lack of sunshine being the outstanding feature, although temperature was above and rainfall on the whole below normal.

A depression moving slowly to the south of the British Isles caused cool easterly winds during the first four days. Another, moving north-east to Iceland, was associated with a slightly warmer southerly current, but a trough of low pressure producing rain on the 9th and 10th was followed by another spell of cool easterly winds. Rain on the 15th and 16th was associated with a depression passing across Northern England, which was followed, after a feeble ridge of high pressure, by another taking a similar course. This was accompanied by widespread hail and local thunder on the 20th and 21st. An anticyclone then moved slowly north from the Bay of Biscay, and a second approaching from the west was centred over the British Isles at the end of the month. Under the influence of these anticyclones there was considerable improvement, both temperature and sunshine increasing rapidly.

At Edinburgh the extremes of pressure were 30.46 inches on the 29th and 29.21 inches on the 10th.

The mean temperature was everywhere above normal—the excess ranging from 1° to 3° F. Judged by the large towns, April 1937 has been the warmest April since 1933. Cold days, however, were general from 2nd to 4th, maximum temperatures at Balmoral and Braemar reaching only 38° F. on 2nd. The highest temperatures were recorded on the last day of the month, namely, 71° F. at Forres and Logie Coldstone and 70° F. at Dundee and Perth.

Early in the last week the coldest night temperatures were experienced, the lowest minima being 21° F. at Dalwhinnie on 26th, 25° F. at Balmoral and Logie Coldstone on 25th, 27° F. at Braemar on 13th and 26th and at West Linton on 26th. Ground frosts were registered fairly frequently but mainly at high level stations. The grass minimum thermometer recorded 12° F. at Dalwhinnie and 17° F. at West Linton on 26th.

The deficiency of sunshine was very marked. Although some very bright days were general during the last week, many places had less than 100 hours for the whole month. These figures constituted new low records in several cases. The sunniest places were in the north, namely, Banff with 121 hours, Lerwick and Kirkwall 117 hours, Baltasound 114 hours, and Duntulm, Skye, 113 hours.

Except in the south and south-west of Scotland and locally on the east and west coasts precipitation was much below normal. Very dry weather was enjoyed in the north of Scotland, 14 per cent. to 20 per cent. of normal and less than half an inch of rain being measured at several places. The greatest excess occurred at Dumfries with 148 per cent. of the normal. In a few cases in Argyll falls of over 1 inch in a day were reported on 9th.

Although snow lay during the whole of the first week at Dalwhinnie, Braemar and Balmoral, no actual fall of snow was reported during the month.

On 20th, 21st and 22nd some hail or sleet showers occurred, and snow above 2000 feet was seen from Fort Augustus.

Fog was experienced at one place or another on 17 days, mainly on the east coast.

The month was quiet; gales were reported locally only in exposed places on 1st, 2nd, 10th and 19th, the highest gust being 50 m.p.h. at Kirkwall on the 10th.

Thunder was heard in Midlothian on 20th, at Kettins (Angus) 21st and in Ayrshire on 9th.

Aurora was observed on 7 days. The displays of 24th and 25th were brilliant, and that of the 25th was seen as far south as Edinburgh, Eskdalemuir and Rothsay.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 32.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, APRIL 1937.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes)
									Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW,	1,088,524	1,119,900	2185	1107	1078	2071	114	887	1436	749	687	183	34	1287
EDINBURGH,	439,010	468,500	697	386	311	649	48	357	641	337	304	116	15	540
DUNDEE,	175,681	179,800	203	142	151	273	20	150	204	92	112	23	8	189
ABERDEEN,	169,803	178,800	289	153	131	268	21	129	249	123	117	39	6	207
PAISLEY,	86,445	90,500	141	71	70	135	6	43	90	50	40	9	14	95
GREENOCK,	78,949	80,800	167	85	82	160	7	46	112	61	51	5	4	111
MOTHERWELL AND WISHAW,	64,710	66,800	111	57	54	106	5	34	41	26	15	..	11	52
CLYDEBANK,	46,952	48,000	76	35	41	72	4	25	21	11	10	1	13	33
KIRKCALDY,	43,874	44,900	78	38	40	71	7	52	43	28	15	4	4	43
COATBRIDGE,	43,056	43,700	79	42	37	76	3	28	42	22	20	1	4	45
KILMARNOCK,	38,681	40,100	73	28	45	70	3	12	64	34	30	16	9	57
HAMILTON,	37,990	38,500	74	31	43	69	5	24	36	15	21	3	10	43
AYR,	38,905	40,700	54	25	29	54	..	30	79	42	37	31	3	51
FALKIRK,	36,566	38,200	64	27	37	63	1	16	44	32	12	15	2	31
DUNFERMLINE,	35,058	36,500	65	34	31	61	4	31	47	20	27	16	4	35
PERTH,	35,051	36,000	44	18	26	41	3	40	72	39	33	30	4	46
TOTAL (SIXTEEN TOWNS)	2,459,255	2,550,700	4490	2284	2206	4239	251	1909	3212	1681	1531	492	145	2355

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, APRIL 1937.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	23.7	5.2	9.6	15.6	14.0	0.9	1.2	1.0	2.2	195	106	
EDINBURGH, .	18.1	6.9	9.3	16.6	14.0	0.9	1.3	0.9	1.7	54	90	
DUNDEE, .	19.9	6.8	10.2	13.8	12.8	0.3	0.8	0.7	1.6	15	69	
ABERDEEN, .	19.7	7.3	8.8	16.4	14.1	0.1	1.0	0.9	1.9	32	130	
PAISLEY, .	19.0	4.3	6.5	12.1	12.8	0.9	1.1	0.8	1.3	13	94	
GREENOCK, .	25.1	4.2	6.9	16.9	16.7	2.1	2.3	1.7	2.7	15	109	
MOTHERWELL AND WISHAW, .	20.2	4.5	6.2	7.5	9.5	0.5	1.3	1.1	0.7	7	65	
CLYDEBANK, .	19.3	5.3	6.3	5.3	8.4	0.0	0.0	0.0	1.5	2	29	
KIRKCALDY, .	21.1	9.0	14.1	11.6	11.6	0.5	0.3	0.3	1.6	8	151	
COATBRIDGE, .	22.0	3.8	7.8	11.7	12.5	0.8	1.9	1.4	1.9	8	94	
KILMARNOCK, .	22.2	4.1	3.6	19.4	17.3	2.1	1.2	1.2	2.4	11	164	
HAMILTON, .	23.4	6.8	7.6	11.4	13.6	0.0	0.6	0.6	1.9	4	55	
AYR, . . .	16.2	0.0	9.0	23.6	15.3	0.9	0.9	0.9	3.0	6	103	
FALKIRK, . .	20.4	1.6	5.1	14.0	9.9	0.3	0.0	0.0	1.3	4	77	
DUNFERMLINE, .	21.6	6.2	10.3	15.6	11.7	0.0	1.0	1.0	1.7	4	83	
PERTH, . . .	14.9	6.8	13.5	24.4	15.6	0.0	0.0	0.0	2.7	3	68	
TOTAL . . (SIXTEEN TOWNS)	21.4	5.6	9.1	15.3	13.7	0.3	1.1	0.9	2.0	381	99	

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR APRIL 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
APR. 1937.	21.4	5.6	9.1	13.7	1	9	5	89	12	21	14	10	99	46°·7
APR. 1936.	20.5	6.0	10.5	14.4	3	103	8	17	15	19	7	16	94	48°·1
APR. 1935.	19.9	5.5	10.8	14.7	0	4	8	62	14	91	16	19	93	44°·7
APR. 1934.	19.9	6.4	10.1	15.9	0	240	14	31	36	17	8	15	113	44°·0
APR. 1933.	19.1	6.3	8.2	12.1	0	1	7	58	12	18	11	13	89	47°·7
APR. 1932.	21.1	6.6	7.4	15.2	0	81	10	27	24	73	17	17	107	42°·7
APR. 1931.	21.4	6.6	9.1	15.1	0	5	14	97	20	74	22	12	105	44°·8
APR. 1930.	21.6	6.4	9.7	15.3	1	106	5	63	23	43	20	24	103	45°·5
APR. 1929.	22.5	6.4	10.3	14.6	0	2	7	60	23	38	28	18	96	42°·8
APR. 1928.	22.7	5.7	9.6	16.1	1	107	10	104	33	38	11	12	116	45°·3
APR. 1927.	22.2	5.6	8.2	14.6	2	19	6	63	15	53	10	11	101	44°·4

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.														
					-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 & over
1	Typhoid Fever (including Paratyphoid)	1	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
4	Measles	9	3	6	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever	5	3	2	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough	89	50	39	45	41	3	-	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria	12	4	8	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-
8	Influenza	21	10	11	1	1	1	-	-	1	1	2	3	4	5	2	1	-	-
14 (1)	Cerebro-spinal Fever	14	9	5	4	3	2	1	1	2	1	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)*	10	2	8	1	-	-	-	2	1	-	1	-	3	2	-	-	-	-
10	Tuberculosis of Respiratory System	190	113	77	1	3	2	4	54	41	37	26	16	5	1	-	-	-	-
11	Other Tuberculous Diseases	49	21	28	5	14	2	6	11	6	-	2	1	1	1	1	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	9	4	5	1	-	-	-	-	-	3	1	2	1	1	-	-	-	-
15	Cancer, Malignant Disease	334	169	165	-	-	-	1	-	4	17	56	91	117	42	6	-	-	-
18	Diabetes Mellitus	27	8	19	-	1	-	-	-	2	1	-	7	10	6	-	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	76	33	43	4	2	4	2	11	3	9	8	14	8	11	-	-	-	-
22	Cerebral Hemorrhage, &c.	239	107	132	-	-	-	-	2	1	2	17	44	91	73	9	-	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	67	39	28	12	8	1	1	3	4	9	11	10	5	2	1	-	-	-
24	Heart Disease	550	278	272	-	-	-	-	5	8	20	48	107	186	140	36	-	-	-
25	Other Circulatory Diseases	54	41	13	1	-	-	-	1	-	1	5	16	16	44	33	10	-	-
26	Bronchitis	141	77	64	13	1	1	-	1	1	5	16	16	44	33	10	-	-	-
27	Pneumonia (all forms)	226	137	89	57	30	1	3	7	10	17	18	28	26	23	6	-	-	-
28	Other Respiratory Diseases	45	22	23	8	5	-	-	2	3	2	6	2	10	6	1	-	-	-
29 (1)	Gastric and Duodenal Ulcer	18	13	5	-	-	-	-	-	4	2	5	3	4	-	-	-	-	-
32	Diarrhea, &c. (all ages)	52	25	27	37	6	-	-	2	1	1	-	2	2	1	-	-	-	-
30	Appendicitis	12	7	5	-	1	-	-	2	3	4	1	1	-	-	-	-	-	-
31 (1)	Cirrhosis of Liver	11	7	4	-	-	-	-	2	1	1	3	3	1	-	-	-	-	-
31 (2)	Other Diseases of Liver, &c.	16	4	12	-	-	-	-	1	-	1	7	5	1	-	-	-	-	-
32 (2)	Other Digestive Diseases	40	16	24	4	2	1	1	2	3	7	5	10	4	1	-	-	-	-
33	Acute and Chronic Nephritis	59	33	26	-	-	-	-	1	4	5	11	19	14	4	-	-	-	-
34	Other Dis. of Genito-Urinary System	38	29	9	1	1	-	-	-	-	4	6	16	10	-	-	-	-	-
35	Puerperal Sepsis	6	-	6	-	-	-	-	3	1	2	-	-	-	-	-	-	-	-
36	Other Puerperal Causes	15	-	15	-	-	-	-	2	8	5	-	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System	18	13	5	1	1	-	-	4	-	1	8	2	1	-	-	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c.	175	96	79	172	3	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Old Age	71	25	46	-	-	-	-	-	-	-	2	10	35	24	-	-	-	-
40	Suicide	29	23	6	-	-	-	-	3	4	4	7	3	1	-	-	-	-	-
42	Other Violence (41)	101	57	44	7	11	2	5	10	9	8	11	8	10	14	6	-	-	-
43	Causes Ill-defined or Unknown	36	19	17	1	-	-	-	-	-	1	10	5	12	5	2	-	-	-
	ALL CAUSES	2865	1497	1368	331	149	24	26	128	126	164	285	424	616	433	109	-	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	...	...
4	Measles	9	...	...	...	...	...	4	...	...
5	Scarlet Fever	5	3	1	...	...	...	...	1	...
6	Whooping-cough	89	52	12	3	...	4	9	1	...
7	Diphtheria	12	4	5	1	...	1	...	...	...
8	Influenza	21	7	9	...	1	1	1	1	...
14 (1)	Cerebro-spinal Fever	14	10	2	1	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	10	4	4	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	190	90	36	10	13	6	11	6	...
11	Other Tuberculous Diseases	49	24	13	2	1	2	4	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	9	4	3	...	1	1	...	...	...
15	Cancer, Malignant Disease	334	131	85	23	26	14	8	10	6
18	Diabetes Mellitus	27	14	2	3	2	...	...	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	76	32	16	5	7	2	1	5	...
22	Cerebral Hæmorrhage, &c.	239	92	43	24	16	8	11	3	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	67	30	11	3	8	1	4	1	...
24	Heart Disease	550	245	114	45	45	17	11	7	6
25	Other Circulatory Diseases	54	18	13	2	6	3	4	...	1
26	Bronchitis	141	79	24	3	8	4	5	3	...
27	Pneumonia (all forms)	226	113	32	17	15	5	9	1	6
28	Other Respiratory Diseases	45	11	9	4	5	1	4	...	...
32 (1)	Gastric and Duodenal Ulcer	18	9	3	1	1	2	...	...	...
29	Diarrhoea, &c. (all Agas)	52	30	3	4	4	3	...	2	...
30	Appendicitis	12	4	3	...	...	2	2	...	1
31 (1)	Cirrhosis of Liver	11	7	1	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	16	7	2	1	3	...	...	...	...
32 (2)	Other Digestive Diseases	40	18	4	2	3	1	2	...	2
33	Acute and Chronic Nephritis	59	27	9	3	7	1	2	...	2
34	Oth. Diseases of Genito-Urinary System	38	12	6	6	4	2	2	2	1
35	Puerperal Sepsis	6	4	1	...	1	...	...	...	...
36	Other Puerperal Causes	15	9	3	1	1	...	1	...	...
37	Dis. of Skin, and of Locomotor System	18	11	1	2	2	1	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	175	76	32	7	16	8	9	4	2
39	Old Age	71	31	12	2	2	1	4	2	1
40	Suicide	29	17	3	2	2	1	...	...	...
42	Other Violence (41)	101	41	22	11	3	2	1	2	...
43	Causes Ill-defined or Unknown ...	36	20	1	1	2	...	2	...	...
	All Causes ...	2865	1287	540	189	207	95	111	52	33
	AGE AT DEATH.									
	Under 1	381	195	54	15	32	13	15	7	2
	1-4	149	66	26	9	5	8	16	2	...
	5-9	24	13	5	2	...	1	...	1	...
	10-14	26	14	2	3	...	3	...	...	...
	15-24	128	60	24	5	8	3	9	4	1
	25-34	126	62	23	8	7	4	5	7	...
	35-44	164	81	31	9	13	6	6	...	...
	45-54	285	126	42	19	26	10	9	6	7
	55-64	424	205	77	35	29	10	11	8	7
	65-74	616	267	137	45	39	19	18	8	9
	75-84	433	163	92	30	38	14	17	8	7
	85 and over	109	35	27	9	10	4	5	1	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages ...	2865	1287	540	189	207	95	111	52	33

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	5	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	3	2	...	2	1	...	...
7	Diphtheria ... ..	...	...	...	...	1	...	...	...
8	Influenza	1	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	1	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	5	4	2	3	...	3	...
11	Other Tuberculous Diseases ... ..	...	2	...	...	...	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	6	2	1	4	4	5	3	6
18	Diabetes Mellitus	1	...	...	...	1	1	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	1	...	3	2	1	...	1
22	Cerebral Hæmorrhage, &c.	2	1	9	6	5	2	4	9
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	4	...	...	...	3	1
24	Heart Disease	5	8	9	7	10	4	9	8
25	Other Circulatory Diseases	1	2	...	2	...	...	1	1
26	Bronchitis	4	1	5	...	2	...	1	2
27	Pneumonia (all forms)	2	4	3	3	8	3	2	3
28	Other Respiratory Diseases ... ..	...	2	...	3	...	1	2	3
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	1	...	1	...	...	...
29	Diarrhœa, &c. (all Ages)	2	2	...	...	...	...	1	1
30	Appendicitis ... ..	...	...	...	...	...	...	...	...
31 (1)	Cirrhosis of Liver	1	...	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	1	...	1	...	...	1
32 (2)	Other Digestive Diseases	1	...	1	2	2	...	...	2
33	Acute and Chronic Nephritis	1	2	1	3	...	...	...	1
34	Oth. Diseases of Genito-Urinary System	...	1	...	1	...	...	...	1
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	1	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	4	1	4	3	3	3	1	2
39	Old Age	1	3	...	2	2	4	1	3
40	Suicide	1	...	1	...	...	2	...	...
42	Other Violence (41)	7	3	3	1	1	2	2	...
43	Causes Ill-defined or Unknown	1	1	3	...	2	2	1	...
All Causes		43	45	57	43	51	31	35	46
AGE AT DEATH.									
Under 1	...	8	8	11	4	6	4	4	3
1-4	...	2	4	3	1	3	2	...	2
5-9	...	...	...	1	...	1	...	...	...
10-14	...	...	1	1	1	...	...	1	...
15-24	...	...	5	2	3	3	1	...	...
25-34	...	3	2	...	1	...	2	...	2
35-44	...	...	1	3	4	3	1	3	3
45-54	...	7	5	10	4	5	4	3	2
55-64	...	7	3	7	8	3	4	5	5
65-74	...	6	8	9	9	13	5	10	14
75-84	...	7	7	9	6	11	7	4	13
85 and over	...	3	1	1	2	3	1	5	2
Not stated	...	...	...	...	...	...	...	...	...
All Ages		43	45	57	43	51	31	35	46

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of APRIL 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.					HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.			BRIGHT SUNSHINE.	
			Mean of		Absolute Maximum and Minimum.		Day of Month.	Mean of				Number of Days.	Total Fall.	Difference from Average.	Hours per Day.	
			Maximum (A.)	Minimum (B.)	Mean of A and B (Mean Tem- perature).	Difference from Average.		Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.				Daily Mean.	Difference from Average.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	85	29.823	53.3	42.8	48.1	+2.8	30th	47.6	2.2	9.5	83	17	1.72	-0.34	1.90	-2.12
EDINBURGH, Professor R. A. SAMERSON, F.R.S., Royal Observatory.	441	29.833	51.3	40.8	46.1	+2.4	30th	45.3	2.2	8.4	83	18	1.10	-0.37	3.31	-1.24
DUNDEE, College Gardens.	147	29.833	51.0	40.3	45.7	+1.8	30th	44.9	1.1	9.3	91	19	2.01	+0.31	2.88	-1.76
ABERDEEN, The Meteorological Office.	79	29.840	48.7	40.0	44.3	+1.1	30th	44.6	2.1	8.3	85	16	1.05	-0.32	2.70	-2.11
PATISLEY, John Woodrow, The Coats Observatory.	106	29.830	54.2	42.4	48.3	+2.6	26th	47.3	2.3	9.1	82	14	1.90	-0.42	2.35	-2.30
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	29.830	52.9	42.2	47.6	+2.9	30th	46.4	2.2	8.8	83	17	2.81	-0.33	2.63	..
KIRKCALDY, The Medical Office of Health.	137	..	51.6	40.3	45.9	+0.9	30th	45.9	2.4	8.6	81	17	1.43	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	54.0	41.5	47.7	+2.8	29th	47.9	2.1	9.6	84	17	1.71	-0.35	2.75	-2.00
AYR, The Medical Office of Health.	43	..	52.3	41.6	46.9	..	30th	46.8	1.7	9.5	87	13	1.57	..	2.73	..
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	52.1	40.4	46.3	..	30th	45.8	1.8	9.0	86	16	1.44	..	2.85	..
PERTH, J. RICHIE, The Museum.	76	29.843	54.2	40.3	47.3	+2.6	30th	45.4	1.5	8.9	83	17	1.57	-0.21	2.71	-2.16
Means	153	29.834	52.3	41.2	46.7	+2.2	..	46.2	2.0	9.0	85	16	1.66	-0.38	2.68	-1.96

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 40'; Perth, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.

† Barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

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MONTHLY RETURN

Births, Deaths, and Marriages

OF THE

IN

Sixteen of the Principal Towns of Scotland

MAY 1937.

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REPORT

During the month of May 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 4,300 living children, of whom 2,211 were males and 2,089 were females. Compared with the number in the previous month, male births are 73 fewer, female births 117 fewer, and those of children of both sexes 190 fewer. The monthly birth-rate in these towns taken collectively was 19·8 per thousand. This rate is 1·6 less than that for the previous month, and is 0·2 below the average.

In the individual towns the monthly birth-rate ranged from 24·3 in Coatbridge, 23·5 in Hamilton and 22·9 in Kilmarnock, to 12·4 in Perth, 17·1 in Edinburgh and 17·2 in Falkirk. In Greenock the rate was 22·3, in Paisley 21·3, in Motherwell and Wishaw 21·3, in Glasgow 20·9, in Kirkcaldy 20·7, in Dundee 19·5, in Ayr 18·8, in Clydebank 18·7, in Dunfermline 18·7 and in Aberdeen 18·6.

Of the 4,300 living children whose births were registered during the month, 4,076 or 94·8 per cent. were legitimate, while 224 or 5·2 per cent. were illegitimate. The legitimate children numbered 163 fewer than in the previous month, and the illegitimate children 27 fewer. The illegitimate rate for the month is 0·4 below that for the previous month. In the individual towns it ranged from 10·8 in Ayr, 8·3 in Motherwell and Wishaw and 6·6 in Clydebank, to 0 in Coatbridge, 0 in Falkirk, 2·6 in Greenock and 2·6 in Perth. In Glasgow the rate was 5·4 and in Edinburgh 6·5.

Marriages registered during the month numbered 1,053 and are 856 fewer than in the previous month. The marriage-rate, 4·9 per thousand, is 4·2 below that for the previous month, but 1·1 above the average. In the individual towns it ranged from 6·0 in Aberdeen, 5·7 in Glasgow and 5·2 in Falkirk, to 2·6 in Motherwell and Wishaw, 2·6 in Kirkcaldy and 2·9 in Clydebank. In Edinburgh the rate was 4·6.

Deaths registered in these towns during the month numbered 2,949 and are 263 fewer than in the previous month. Deducting deaths of persons with usual

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,653, of whom 1,362 were males and 1,291 were females. The corrected number is 212 fewer than in the previous month, males being 135 fewer and females 77 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 12·2 per thousand, being 1·5 below that for the previous month and 1·2 below the average. In the towns taken individually the death-rate ranged from 16·7 in Kilmarnock, 15·0 in Hamilton and 14·5 in Clydebank, to 9·7 in Coatbridge, 10·3 in Paisley and 10·5 in Falkirk. In Dundee the rate was 12·8, in Glasgow 12·7, in Ayr 12·7, in Perth 12·1, in Kirkcaldy 11·8, in Aberdeen 11·7, in Greenock 11·7, in Edinburgh 11·5, in Motherwell and Wishaw 11·1 and in Dunfermline 11·0.

Deaths of children of less than one year old numbered 331, and equalled an infantile mortality rate of 83 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 50 fewer than in the previous month, while the rate is 16 less than in that month and 5 below the average. In the individual towns this rate ranged from 173 in Hamilton, 143 in Kilmarnock and 111 in Clydebank, to 20 in Dunfermline, 34 in Kirkcaldy and 47 in Coatbridge. In Glasgow the rate was 95, in Aberdeen 82, in Motherwell and Wishaw 80, in Falkirk 74, in Paisley 69, in Perth 68, in Dundee 65, in Greenock 63, in Edinburgh 60 and in Ayr 50.

Deaths from the principal epidemic diseases numbered 109 and equalled a death-rate of 0·5 per thousand. These deaths are 52 fewer than in the previous month and the rate is 0·3 less. They include 1 from typhoid fever, 6 from measles, 8 from scarlet fever, 55 from whooping-cough, 16 from diphtheria, 6 from influenza, 11 from cerebro-spinal fever, and 6 from other epidemic diseases, 3 of which were ascribed to erysipelas and 3 to lethargic encephalitis. Compared with the number in the previous month deaths from typhoid fever are the same, from measles 3 fewer, from scarlet fever 3 more, from whooping-cough 34 fewer, from diphtheria 4 more, from influenza 15 fewer, from cerebro-spinal fever 3 fewer, and from other epidemic diseases 4 fewer.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 338, and equalled a death-rate of 1·6 per thousand. Compared with the number in the previous month these deaths are 74 fewer, while the rate is 0·4 less and is 0·2 below the average.

Deaths from all forms of tuberculosis numbered 186, of which 134 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 53 fewer and those from respiratory tuberculosis 56 fewer. Compared with the average the former are 31 fewer and the latter 31 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MAY 1937.

Mean barometric pressure, 29·987 ins.; greater than the average* by 0·010 in.

Mean temperature, 52°·1 F.; greater by 2°·1 F.

Mean daily range of temperature, 14°·4 F.; equal to the average.

Mean daily sunshine, 5·83 hours; greater by 0·15 hour.

Rain, depth in inches, 1·93; less by 0·56 in.

Wind, direction of: two days' excess of southerly winds.

The outstanding features of the weather were the deficient rainfall in all districts through the first half of the month and the generally high temperatures for the

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1906-35.

time of year, the month being the warmest May in Scotland since 1919. At the beginning of the month an anticyclone centred west of Ireland moved eastwards to the North Sea and fine sunny weather was experienced everywhere in Scotland. A trough of low pressure associated with a depression over Iceland passed across the British Isles on the 3rd and 4th and rain spread over western districts, though falls were not heavy. Mainly anticyclonic conditions prevailed over Scotland from the 8th to the 18th, and fine dry weather was experienced generally. Sunshine was abundant, and on the 13th as much as 16 hours was recorded at Tiree. A depression west of Ireland moved on a south-easterly course on the 20th and 21st, while a secondary crossed northern Scotland, bringing moderate or heavy rain to all districts. A depression centred on the 23rd about 300 miles west of Ireland remained almost stationary until the 26th, when it extended northwards. Showery conditions prevailed, but with considerable sunny periods, especially in the west. Pressure was low to the west and high to the east of the British Isles during the succeeding days and mainly fair and rather warm weather was experienced, except in the extreme north. Depressions passing to the north of Scotland caused rather boisterous conditions over northern districts in the closing days of the month. Wind gusts of 55 miles per hour or rather more were recorded at Stornoway on the 29th and 30th and at Kirkwall on the 31st. At Edinburgh the extremes of pressure were 30·38 ins. on the 1st and 29·53 ins. on the 21st.

Temperatures were at a moderate or rather low level on the 5th and 6th and also from the 9th to the 13th, but at all other times were above average, especially on the 29th and 30th, when some unusually high values were recorded. Mean temperature exceeded the normal everywhere; the excess was greatest in the west, where Fort Augustus had a mean temperature 3·2° F. above normal. The mean maximum temperature of 61 degrees at Renfrew was the highest recorded there since 1921. The highest shade temperatures recorded were 75° F. at Forres and Gordon Castle and 74° F. at Kelso and Dunbar, all on the 29th. The extreme minima reported were 24° F. at Dalwhinnie on the 13th, 26° F. at Balmoral and Logie Coldstone on the 11th, and 27° F. at Braemar on the 6th, 9th and 15th. Ground frost occurred on 20 nights, the greatest frequency being at Dalwhinnie, where it was registered on 13 nights.

Sunshine aggregates exceeded the average generally, but deficiencies occurred in Shetland, Orkney, between Aberdeen and Perth, and in Dumfriesshire. At Inverness and Nairn the duration of sunshine exceeded the average by more than 60 hours. The highest totals were recorded in the west, where Tiree had 267 hours, Duntulm (Skye) 259 hours, Oban 239 hours and Stornoway 236 hours.

The rainfall was generally below average, but heavy falls on the 20th and 21st brought the totals above average over a considerable part of south-east and east Scotland and at a few scattered places in Argyll. Heavy rain on the 27th also accounted for an excess total in Shetland. The area of greatest deficiency was in Orkney, Sutherland and Caithness, where many stations had less than half the normal rainfall. The wettest day was the 21st, when falls exceeding an inch occurred in all districts. The highest reported were 1·68 ins. at Pipeland (Fife), 1·62 ins. at Glencagles (Perthshire) and 1·57 ins. at Murthly (Perthshire).

Some sleet fell at Erracht (Inverness) on the 4th, 5th and 6th.

Hail was reported from widely scattered stations on the 4th, 5th, 17th, 21st and 23rd.

Fog was experienced along practically the whole of the east coast on the 2nd and 3rd and occurred locally on 13 other days.

Gales were reported on 9 days but none were severe in character.

Thunder was reported on 15 days. On the 17th a severe storm with heavy rain and hail (0·88 inch) caused some flooding and road damage at Milnathort (Kinross).

Aurora was observed at one place or other on 5 days. It was seen as far south as Eskdalemuir and Edinburgh on the 4th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 40.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MAY 1937.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes)		
								Both Sexes.		Males.	Females.	Out.		In.	
GLASGOW, . . .	1,088,524	1,119,900	1987	1028	959	1879	108	542	1361	721	640	193	23	1206	
EDINBURGH, . .	439,010	468,500	680	355	325	636	44	182	568	278	290	120	10	458	
DUNDEE, . . .	175,681	179,300	297	159	138	289	8	61	205	101	104	15	5	195	
ABERDEEN, . .	169,803	178,300	281	149	132	264	17	91	220	110	110	47	4	177	
PAISLEY, . . .	86,445	90,500	164	74	90	157	7	23	71	35	36	9	17	79	
GREENOCK, . .	78,949	80,800	153	78	80	149	4	23	87	47	40	10	3	80	
MOTHERWELL AND WISHAW, .	64,710	66,800	121	70	51	111	10	15	50	25	25	..	13	63	
CLYDEBANK, . .	46,952	48,000	76	40	36	71	5	12	33	16	17	..	26	59	
KIRKCALDY, . .	43,874	44,900	79	34	45	76	3	10	46	19	27	10	9	45	
COATBRIDGE, .	43,056	43,700	90	44	46	90	..	11	30	21	9	1	7	36	
KILMARNOCK, .	38,681	40,100	78	41	37	74	4	13	59	33	26	9	7	57	
HAMILTON, . .	37,990	38,500	77	38	39	74	3	14	36	23	13	2	15	49	
AYR,	38,905	40,700	65	36	29	58	7	14	58	32	26	18	4	44	
FALKIRK, . . .	36,566	38,200	56	25	31	56	..	17	42	25	17	11	3	34	
DUNFERMLINE, .	35,058	36,500	58	28	30	55	3	12	35	22	13	8	7	34	
PERTH,	35,051	36,000	58	17	21	37	1	13	48	23	25	13	2	37	
TOTAL (SIXTEEN TOWNS)	2,459,255	2,550,700	4300	2211	2089	4076	224	1053	2949	1531	1418	466	170	2653	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MAY 1937.

TOWNS.*	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tubercu- lousis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, . .	20.9	5.4	5.7	14.3	12.7	0.5	1.0	0.8	1.8	180	95	
EDINBURGH, .	17.1	6.5	4.6	14.3	11.5	0.4	0.7	0.6	1.3	37	60	
DUNDEE, . .	19.5	2.7	4.0	13.5	12.8	0.2	0.9	0.7	1.6	17	65	
ABERDEEN, .	18.6	6.0	6.0	14.5	11.7	0.5	0.4	0.1	1.5	21	82	
PAISLEY, . .	21.3	4.3	3.0	9.2	10.3	0.7	1.7	0.7	0.5	10	69	
GREENOCK, .	22.3	2.6	3.3	12.7	11.7	1.2	1.2	1.0	1.5	9	63	
MOTHERWELL AND WISHAW.	21.3	8.3	2.6	8.8	11.1	0.5	0.2	0.2	0.9	9	80	
CLYDEBANK, .	18.7	6.6	2.9	8.1	14.5	0.5	1.5	1.2	2.5	2	111	
KIRKCALDY, .	20.7	3.8	2.6	12.1	11.8	0.0	0.5	0.5	0.5	2	34	
COATBRIDGE, .	24.3	0.0	3.0	8.1	9.7	0.8	0.8	0.0	1.3	4	47	
KILMARNOCK, .	22.9	5.1	3.8	17.3	16.7	1.5	0.0	0.0	2.1	10	143	
HAMILTON, . .	23.5	3.9	4.3	11.0	15.0	0.0	0.6	0.0	2.1	13	173	
AYR,	13.8	10.8	4.1	16.8	12.7	0.6	1.2	0.9	2.0	3	50	
FALKIRK, . .	17.2	0.0	5.2	12.9	10.5	0.3	0.6	0.6	2.2	4	74	
DUNFERMLINE, .	18.7	5.2	3.9	11.3	11.0	0.3	0.6	0.6	1.3	1	20	
PERTH, . . .	12.4	2.6	4.3	15.7	12.1	0.0	1.0	0.3	1.3	3	68	
TOTAL . . . (SIXTEEN TOWNS)	19.8	5.2	4.9	13.6	12.2	0.5	0.9	0.6	1.6	331	83	

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MAY 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)		(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
MAY 1937, .	19·8	5·2	4·9	12·2	1	6	8	55	16	6	11	6	83	52°·1
MAY 1936, .	19·6	6·2	3·1	13·1	5	131	2	14	10	10	8	18	88	50°·8
MAY 1935, .	20·3	5·5	3·6	13·3	3	3	8	41	22	26	6	12	83	48°·8
MAY 1934, .	19·4	6·2	3·7	14·1	0	251	16	35	33	9	14	15	95	50°·4
MAY 1933, .	20·2	5·9	4·6	12·9	1	2	10	66	14	25	15	15	86	51°·1
MAY 1932, .	20·4	6·1	4·2	13·4	0	63	10	28	9	35	13	13	88	49°·3
MAY 1931, .	20·4	7·4	3·2	12·5	0	21	11	67	17	25	19	15	87	50°·7
MAY 1930, .	22·0	6·5	3·2	14·1	0	82	7	64	22	27	21	19	91	49°·6
MAY 1929, .	21·6	7·5	3·4	13·7	1	1	4	51	22	12	30	16	94	50°·5
MAY 1928, .	22·4	6·7	3·3	14·1	1	83	5	109	15	27	6	19	95	49°·6
MAY 1927 .	22·1	6·7	4·5	13·3	1	18	6	71	12	29	12	17	85	48°·4

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1937.

Intern ¹ Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
4	Measles -	6	3	3	-	6	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	8	5	3	2	1	-	2	-	1	1	1	-	-	-	-	-	
6	Whooping-cough -	55	30	25	30	24	1	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria -	16	4	12	1	5	6	4	-	-	-	-	-	-	-	-	-	
8	Influenza -	6	3	3	-	1	-	-	-	1	-	-	1	1	2	-	-	
14 (1)	Cerebro-spinal Fever -	11	7	4	5	1	2	-	2	-	1	-	-	-	-	-	-	
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	6	4	2	-	-	-	-	1	-	-	1	-	3	1	-	-	
10	Tuberculosis of Respiratory System -	134	70	64	-	2	-	3	32	41	19	24	7	5	1	-	-	
11	Other Tuberculous Diseases -	52	29	23	7	13	1	5	14	2	6	1	2	1	-	-	-	
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	8	5	3	1	2	-	-	-	-	-	-	4	1	-	-	-	
15	Cancer, Malignant Disease -	338	165	173	-	-	-	-	1	7	15	51	89	121	50	4	-	
18	Diabetes Mellitus -	22	8	14	-	-	-	-	-	-	-	3	5	8	5	1	-	
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	60	25	35	4	1	4	3	6	5	12	7	7	7	4	-	-	
22	Cerebral Hemorrhage, &c. -	260	106	154	-	-	-	1	2	-	2	18	56	92	77	12	-	
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	75	41	34	15	4	1	2	9	7	11	8	6	7	5	-	-	
24	Heart Disease -	536	253	283	-	-	2	3	6	11	28	48	102	181	134	21	-	
25	Other Circulatory Diseases -	49	25	24	1	-	-	-	-	-	3	3	5	16	19	2	-	
26	Bronchitis -	94	55	39	8	-	-	-	2	-	4	5	14	33	24	4	-	
27	Pneumonia (all forms) -	209	127	82	52	27	3	-	6	12	19	31	22	21	11	5	-	
28	Other Respiratory Diseases -	35	18	17	-	1	-	-	1	-	3	5	6	6	9	4	-	
32 (1)	Gastric and Duodenal Ulcer -	24	20	4	-	-	-	-	-	2	1	8	8	3	2	-	-	
29	Diarrhoea, &c. (all ages) -	45	33	12	33	2	1	-	2	1	1	1	2	1	1	-	-	
30	Appendicitis -	20	11	9	-	-	2	3	3	1	2	3	4	1	1	-	-	
31 (1)	Cirrhosis of Liver -	6	5	1	-	-	-	-	-	-	1	-	1	2	2	-	-	
31 (2)	Other Diseases of Liver, &c. -	19	5	14	-	-	1	-	-	1	-	3	7	4	2	1	-	
32 (2)	Other Digestive Diseases -	39	16	23	4	-	-	-	1	3	5	6	6	4	8	2	-	
33	Acute and Chronic Nephritis -	67	31	36	1	-	1	-	4	-	8	6	24	12	11	-	-	
34	Other Dis. of Genito-Urinary System -	37	25	12	2	-	-	-	-	3	2	5	5	9	10	1	-	
35	Puerperal Sepsis -	2	-	2	-	-	-	-	-	-	2	-	-	-	-	-	-	
36	Other Puerperal Causes -	10	-	10	-	-	-	-	3	4	3	-	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	17	8	9	2	-	-	1	1	-	-	2	4	5	2	-	-	
38	Congen. Debil., Prem. Birth, Malform., &c. -	164	93	71	162	-	1	1	-	-	-	-	-	-	-	-	-	
39	Old Age -	74	29	45	-	-	-	-	-	-	-	-	-	15	42	17	-	
40	Suicide -	24	16	8	-	-	-	-	1	3	7	5	6	2	-	-	-	
42	Other Violence (41) -	88	63	25	1	4	8	3	8	19	7	5	9	11	6	7	-	
43	Causes ill-defined or Unknown -	36	23	13	-	-	-	-	-	1	1	2	12	13	6	1	-	
	ALL CAUSES -	2653	1362	1291	331	94	34	31	106	125	164	252	414	585	435	82	-	

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	...	...	...	...	...	...	...
4	Measles	6	...	1	...	...	...	1	1	...
5	Scarlet Fever	8	4	2	...	2	...	...	...	...
6	Whooping-cough	55	32	7	1	2	2	7	...	1
7	Diphtheria	16	9	3	...	2	1	...	...	1
8	Influenza	6	2	3	1	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	11	2	1	...	1	2	...	2	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	6	3	...	1	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	134	72	22	11	1	5	7	1	5
11	Other Tuberculous Diseases	52	22	4	3	5	8	1	...	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	8	3	3	1	1	...	...	...	...
15	Cancer, Malignant Disease	338	144	71	23	29	14	8	5	4
18	Diabetes Mellitus	22	8	5	1	1	1	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	60	33	4	4	5	...	1	1	3
22	Cerebral Hæmorrhage, &c.	260	103	61	19	21	5	9	6	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	75	30	12	6	8	4	5	3	...
24	Heart Disease	536	221	115	40	34	16	11	16	11
25	Other Circulatory Diseases	49	23	5	2	8	...	1	1	1
26	Bronchitis	94	48	15	6	2	1	4	4	2
27	Pneumonia (all forms)	209	107	28	14	19	3	6	1	7
28	Other Respiratory Diseases	35	14	7	4	2	...	...	...	1
32 (1)	Gastric and Duodenal Ulcer	24	14	2	1	...	...	2	2	...
29	Diarrhœa, &c. (all Ages)	45	33	2	1	1	...	...	2	1
30	Appendicitis	20	9	3	1	...	...	...	2	...
31 (1)	Cirrhosis of Liver	6	4	...	...	...	...	...	...	1
31 (2)	Other Diseases of Liver, &c.	19	7	3	2	1	...	2	1	1
32 (2)	Other Digestive Diseases	39	18	8	4	6	1	...	1	...
33	Acute and Chronic Nephritis	67	29	12	8	5	2	3	1	1
34	Oth. Diseases of Genito-Urinary System	37	15	7	7	1	3	...	1	...
35	Puerperal Sepsis	2	1	...	...	...	...	...	...	1
36	Other Puerperal Causes	10	4	3	...	...	...	1	...	...
37	Dis. of Skin, and of Locomotor System	17	11	...	2	1	1	...	...	...
38	Congenital Debility, Premature-Birth, Malformations, &c.	164	82	19	12	6	5	3	7	5
39	Old Age	74	33	8	5	4	2	6	3	2
40	Suicide	24	11	4	5	1	...	1	...	...
42	Other Violence (41)	88	34	16	10	5	3	1	1	3
43	Causes Ill-defined or Unknown ...	36	21	2	...	3	...	...	1	...
	All Causes ...	2653	1206	458	195	177	79	80	63	59
	AGE AT DEATH.									
	Under 1	331	180	37	17	21	10	9	9	8
	1-4	94	47	11	2	4	5	11	1	3
	5-9	34	12	7	3	3	1	1	2	3
	10-14	31	13	1	3	5	2	1	1	...
	15-24	106	44	24	11	3	1	4	1	2
	25-34	125	69	17	6	5	5	6	4	2
	35-44	164	82	22	19	5	5	3	2	3
	45-54	252	123	49	13	16	5	7	4	6
	55-64	414	194	77	27	35	6	11	12	8
	65-74	585	243	108	45	39	21	14	16	15
	75-84	435	161	92	38	36	17	12	11	8
	85 and over	82	38	13	11	5	1	1	...	1
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages ...	2653	1206	458	195	177	79	80	63	59

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	1	...	...	...	...	...	...
4	Measles ...	...	...	3	...	...	...	...	...
5	Scarlet Fever ...	...	...	...	...	...	...	...	...
6	Whooping-cough ...	...	1	2	...	...	...	...	...
7	Diphtheria ...	...	...	...	...	...	...	...	...
8	Influenza ...	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ...	...	...	...	...	2	...	1	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	1	...	...	...	1	...	...
10	Tuberculosis of Respiratory System ...	2	...	...	...	3	2	2	1
11	Other Tuberculous Diseases ...	...	3	...	2	1	...	...	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease ...	8	5	7	3	4	6	3	4
18	Diabetes Mellitus ...	1	1	2	2	...	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	1	1	1	1	1	1	3
22	Cerebral Hæmorrhage, &c. ...	6	1	9	3	1	1	3	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	1	1	...	...	2	2
24	Heart Disease ...	8	11	9	9	12	5	11	7
25	Other Circulatory Diseases ...	3	...	2	1	...	...	1	1
26	Bronchitis ...	1	2	1	1	3	2	1	1
27	Pneumonia (all forms) ...	1	3	5	6	2	4	2	1
28	Other Respiratory Diseases ...	...	...	1	...	2	1	1	2
32 (1)	Gastric and Duodenal Ulcer ...	...	...	...	2	1	...	...	...
29	Diarrhœa, &c. (all Ages) ...	...	...	2	2	...	...	...	1
30	Appendicitis ...	...	...	...	1	2	...	1	1
31 (1)	Cirrhosis of Liver ...	...	...	...	...	...	...	...	1
31 (2)	Other Diseases of Liver, &c. ...	2	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases ...	...	...	...	1	...	...	...	...
33	Acute and Chronic Nephritis ...	...	...	1	2	2	...	1	...
34	Oth. Diseases of Genito-Urinary System	...	...	1	1	...	1	...	...
35	Puerperal Sepsis ...	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ...	1	...	1	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	1	...	1
38	Congenital Debility, Premature Birth, Malformations, &c. ...	2	3	6	8	1	4	...	1
39	Old Age ...	3	...	...	1	3	2	1	1
40	Suicide ...	1	...	...	...	1	...	...	...
42	Other Violence (41) ...	6	...	2	2	2	1	2	...
43	Causes Ill-defined or Unknown ...	...	2	1	...	1	2	1	2
	All Causes ...	45	36	57	49	44	34	34	37
	AGE AT DEATH.								
	Under 1 ...	2	4	10	13	3	4	1	3
	1- 4 ...	...	1	7	1	1	...	...	...
	5- 9 ...	...	...	...	1	...	...	1	...
	10-14 ...	...	3	...	1	...	...	...	1
	15-24 ...	2	2	2	2	3	...	2	3
	25-34 ...	3	1	...	4	...	2	...	1
	35-44 ...	5	2	3	2	3	2	1	5
	45-54 ...	3	5	2	1	7	2	6	3
	55-64 ...	5	3	7	7	9	5	3	5
	65-74 ...	11	10	14	11	9	14	9	6
	75-84 ...	12	5	10	6	7	5	6	9
	85 and over ...	2	...	2	...	2	...	5	1
	Not stated ...	...	...	...	...	...	...	...	...
	All Ages ...	45	36	57	49	44	34	34	37

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of MAY 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.			
			Mean of	Absolute Maximum and Minimum.			Mean of	Difference from Average.			Number of Days.	Total Fall.	Difference from Average.	Hours per Day.	Per Cent. of Possible.	
				Maximum. (A.)	Minimum. (B.)	Difference from Average.		Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.						Humidity.
feet.	Mb.	inches.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	inches.	inches.	° F.	° F.	° F.	
GLASGOW, Professor J. R. CURRIE, M.D., The University.	85	1015.3	29.933	60.6	46.6	67	2, 3, 29	39	6th	53.4	3.8	10.2	75	5.47	- 0.58	34
EDINBURGH, Professor R. A. SAMPTON, F.R.S., Royal Observatory.	441	1015.6	29.990	57.6	45.0	71	29th	39	9th	50.0	2.9	9.7	79	5.77	+ 0.51	36
DUNDEE, College Gardens.	147	1015.8	29.966	57.4	43.9	72	29th	37	13th	51.9	3.0	10.5	79	5.32	0.00	33
ABERDEEN, The Meteorological Office.	79	1015.5	29.988	54.5	45.1	65	30th	39	6th	49.9	3.0	9.7	79	5.29	- 0.20	32
PAISLEY, John Woodrow, The Coats Observatory.	106	1015.1	29.976	62.1	46.2	69	17th	38	2nd	53.1	3.5	10.5	77	5.89	+ 0.68	36
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1015.3	29.933	60.4	46.2	66	2, 15, 29	40	6th	51.7	3.7	9.9	75	6.55	..	40
KIRKCALDY, The Medical Office of Health.	137	..	..	58.6	43.5	70	29th	38	5, 6	51.1	2.7	10.2	81	..	..	..
KILMARNOCK, W. DUNBAR, E.	132	..	..	61.5	44.8	68	29th	33	6th	54.6	3.7	11.2	76	6.59	+ 0.84	41
AYR, The Medical Office of Health.	43	..	..	59.1	46.1	67	29th	38	2nd	52.3	2.5	10.9	83	6.65	..	41
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	59.0	43.8	70	29th	38	6th	51.4	3.0	10.1	79	5.49	..	34
PERTH, J. RICHIE, The Museum.	76	1015.7	29.993	61.1	42.9	71	29th	32	6th	49.8	1.4	11.0	90	5.31	- 0.19	33
Means	146	1015.5	29.987	59.3	44.9	68	..	..	..	51.7	3.0	10.4	79	5.83	+ 0.15	36

North Latitude.—Glasgow, 56° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 55'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.
† Barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

MONTHLY RETURN
OF THE
Births, Deaths, and Marriages
IN
Sixteen of the Principal Towns of Scotland
JUNE 1937.

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REPORT

During the month of June 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 4,147 living children, of whom 2,094 were males and 2,053 were females. Compared with the number in the previous month, male births are 117 fewer, female births 36 fewer, and those of children of both sexes 153 fewer. The monthly birth-rate in these towns taken collectively was 19·8 per thousand. This rate is the same as that for the previous month, but is 0·1 above the average.

In the individual towns the monthly birth-rate ranged from 27·5 in Hamilton, 24·8 in Coatbridge and 22·4 in Greenock, to 13·0 in Dunfermline, 14·4 in Kirkcaldy and 15·2 in Perth. In Ayr it was 22·1, in Motherwell and Wishaw 21·9, in Glasgow 21·1, in Clydebank 21·1, in Falkirk 20·4, in Paisley 19·4, in Aberdeen 18·4, in Dundee 17·8, in Edinburgh 17·5 and in Kilmarnock 16·4.

Of the 4,147 living children whose births were registered during the month, 3,917 or 94·5 per cent. were legitimate, while 230 or 5·5 per cent. were illegitimate. The legitimate children numbered 159 fewer than in the previous month, but the illegitimate children 6 more. The illegitimate rate for the month is 0·3 above that for the previous month. In the individual towns it ranged from 7·5 in Motherwell and Wishaw, 7·2 in Clydebank and 6·7 in Aberdeen, to 0 in Perth, 1·9 in Kirkcaldy and 2·2 in Coatbridge. In Glasgow the rate was 6·2 and in Edinburgh 4·8.

Marriages registered during the month numbered 2,658 and are 1605 more than in the previous month. The marriage-rate, 12·7 per thousand, is 7·8 above that for the previous month and 1·3 above the average. In the individual towns it ranged from 16·2 in Ayr, 14·3 in Edinburgh and 13·6 in Glasgow, to 8·0 in Motherwell and Wishaw, 8·3 in Dundee and 9·0 in Greenock.

Deaths registered in these towns during the month numbered 2,748 and are 201 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

EDINBURGH

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these towns, the corrected number is found to be 2,486, of whom 1,290 were males and 1,196 were females. The corrected number is 167 fewer than in the previous month, males being 72 fewer and females 95 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 11·9 per thousand, being 0·3 below that for the previous month and 0·2 below the average. In the towns taken individually the death-rate ranged from 14·7 in Ayr, 13·4 in Coatbridge and 13·1 in Greenock, to 8·8 in Hamilton, 9·0 in Dunfermline and 10·1 in Perth. In Dundee it was 13·0, in Glasgow 12·5, in Paisley 11·4, in Edinburgh 11·2, in Motherwell and Wishaw 10·9, in Clydebank 10·7, in Kirkcaldy 10·6, in Kilmarnock 10·6, in Aberdeen 10·5 and in Falkirk 10·2.

Deaths of children of less than one year old numbered 306, and equalled an infantile mortality rate of 79 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 25 fewer than in the previous month, while the rate is 4 less than in that month but 6 above the average. In the individual towns this rate ranged from 121 in Ayr, 114 in Clydebank and 100 in Glasgow, to 27 in Hamilton, 36 in Kirkcaldy and 38 in Falkirk. In Perth the rate was 95, in Paisley 92, in Motherwell and Wishaw 84, in Coatbridge 83, in Dundee 71, in Aberdeen 60, in Kilmarnock 45, in Edinburgh 43, in Greenock 43 and in Dunfermline 43.

Deaths from the principal epidemic diseases numbered 92 and equalled a death-rate of 0·4 per thousand. These deaths are 17 fewer than in the previous month and the rate is 0·1 less. They include 3 from typhoid fever, 4 from measles, 4 from scarlet fever, 27 from whooping-cough, 19 from diphtheria, 13 from influenza, 11 from cerebro-spinal fever, and 11 from other epidemic diseases, 7 of which were ascribed to erysipelas, 3 to lethargic encephalitis and 1 to dysentery. Compared with the number in the previous month deaths from typhoid fever are 2 more, from measles 2 fewer, from scarlet fever 4 fewer, from whooping-cough 28 fewer, from diphtheria 3 more, from influenza 7 more, from cerebro-spinal fever the same, and from other epidemic diseases 5 more.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 251, and equalled a death-rate of 1·2 per thousand. Compared with the number in the previous month these deaths are 87 fewer, while the rate is 0·4 less and is 0·2 below the average.

Deaths from all forms of tuberculosis numbered 188, of which 146 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 2 more and those from respiratory tuberculosis 12 more. Compared with the average the former are 9 fewer and the latter 2 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JUNE 1937.

Mean barometric pressure, 29·983 ins. ; less than average* by 0·015 in.

Mean temperature, 55°·7 F. ; greater by 0°·8 F.

Mean daily range of temperature, 14°·3 F. ; less by 1°·0 F.

Mean daily sunshine, 5·95 hours; less by 0·03 hour.

Rain, depth in inches, 2·03 ; less by 0·17 in.

Wind, direction of : six days' excess of winds between North and West.

An anticyclone to the south-west of the British Isles remained almost stationary during the opening days of the month, while a complex area of low pressure lay to the north and north-west of Ireland. Mainly cloudy weather was experienced over

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

Scotland generally, frequent showers alternating with sunny periods. These rather unsettled conditions persisted until the 9th, when a depression near Iceland moved slowly north-east and fairer weather spread in from the west. A shallow depression over south-west England moved on a north-easterly track on the 13th and there was a renewal of cloudy skies with rain in most places. A wedge of high pressure extended over Great Britain from the 15th to the 17th, and fine, sunny weather became general. A brief spell of rather unsettled weather followed, but on the 20th an anticyclone to the west of Ireland brought improved conditions to most districts. Several Scottish stations recorded upwards of 14 hours sunshine on both the 20th and 21st. Mainly fair weather continued for several days with a rise in temperature. Depressions passing to the north of Scotland in the last four days of June occasioned rather heavy rain in the north and west and showers elsewhere. At Edinburgh the extremes of pressure were 30·31 ins. on the 15th and 29·42 ins. on the 28th.

Mean temperature was slightly above normal in most districts but below normal at a few stations in the west and south. The warmest days were the 10th, 11th, 20th to 22nd and 25th. Maxima of 78° F. were recorded at Balmoral, Montrose and Logie Coldstone and 77° F. at Dundee, all on the 25th. An unusually cool period occurred in the first three days, when most places recorded the minimum values for the month. Places inland also experienced very low temperatures on the 24th. The lowest readings reported were 28° F. at Dalwhinnie on the 24th and 30° F. at Wick on the 3rd. Ground frosts occurred widely on the 2nd and locally on seven other days. Minimum ground temperatures of 22° F. and 25° F. were recorded at Dalwhinnie on the 24th and 21st respectively, 24° F. at Glenbranter on the 18th, and 25° F. at Balerno on the 2nd.

The duration of sunshine was below average over nearly the whole of Scotland, but there was an excess over the average of about 20 hours in the Clyde area and smaller excesses at Inverness and Aberdeen. The largest aggregates were 207 hours at Arbroath, 203 hours at Leuchars, 197 hours at Montrose and 196 hours at Abbotsinch. At Tieve, normally one of the sunniest places in June, the total was only 163 hours or 62 hours below the average; this was the only June, with the exception of 1931, when less than 220 hours sunshine had been recorded there in the last eleven years. The lowest aggregates reported were 119 hours at Fort Augustus, 122 hours at Ruthwell and 128 hours at Onich.

Rainfall exceeded the average in northern and western districts and along the coast of Angus and Fife; elsewhere there was a deficiency. Over the country as a whole the mean rainfall was almost exactly equal to the normal. Falls exceeding an inch were recorded at many places in the south and west on the 3rd and 4th, and also in the west on the 27th and 28th. The heaviest daily falls were 2·76 and 2·10 inches at Kinlochquoich on the 27th and 28th respectively, and 2·10 inches at Glenshiel on the 27th. Several stations in Fife reported more than an inch on the 14th, the heaviest being 1·46 inch at St. Andrews.

Sleet fell at several northern stations on the 1st and 2nd and hail occurred at widely scattered places on the 1st.

Fog of a coastal type was reported on 6 days.

Gales occurred at one place or other on 12 days but were not severe in character. Extreme wind gusts of 50 miles per hour or above were registered at Kirkwall on the 2nd, 25th, 26th and 27th, at Stornoway on the 10th, 26th and 28th, and at Edinburgh on the 28th.

Thunder was reported locally on 9 days.

No reports of aurora were received.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 48.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JUNE 1937.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
									Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW,	1,088,524	1,119,900	1942	982	960	1821	121	1253	1283	687	601	175	34	1147
EDINBURGH,	439,010	468,500	672	331	341	610	32	549	498	247	251	87	20	431
DUNDEE,	175,681	179,300	262	136	126	247	15	123	200	97	103	14	6	192
ABERDEEN,	169,803	178,800	270	132	138	252	18	189	193	97	96	42	3	154
PAISLEY,	86,445	90,500	144	78	66	140	4	85	84	51	33	18	19	85
GREENOCK,	78,949	80,800	149	75	74	142	7	60	82	54	28	5	10	87
MOTHERWELL AND WISHAW,	64,710	66,800	120	57	63	111	9	44	48	21	27	2	14	60
CLYDEBANK,	46,952	48,000	83	38	45	77	6	39	25	12	13	2	19	42
KIRKCALDY,	43,874	44,900	53	30	23	52	1	49	40	22	18	4	3	39
COATBRIDGE,	43,056	43,700	89	44	45	87	2	37	37	18	19	..	11	48
KILMARNOCK,	38,681	40,100	54	27	27	51	3	43	39	25	14	8	4	35
HAMILTON,	37,990	38,500	87	51	36	82	5	36	23	17	6	2	7	28
AYR,	38,905	40,700	74	43	31	71	3	54	73	36	37	28	4	49
FALKIRK,	36,566	38,200	64	29	35	61	3	32	43	16	27	13	2	32
DUNFERMLINE,	35,058	36,500	39	17	22	38	1	37	35	18	17	11	3	27
PERTH,	35,051	36,000	45	24	21	45	..	28	40	21	19	11	1	30
TOTAL (SIXTEEN TOWNS)	2,459,255	2,550,700	4147	2094	2053	3917	230	2658	2748	1439	1309	422	160	2486

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JUNE 1937.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tubercu- losis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW,	21.1	6.2	13.6	14.0	12.5	0.5	1.0	0.8	1.4	182	100
EDINBURGH,	17.5	4.8	14.3	12.9	11.2	0.3	0.8	0.7	1.0	26	43
DUNDEE,	17.8	5.7	8.3	13.6	13.0	0.3	1.0	0.7	1.4	18	71
ABERDEEN,	13.4	6.7	12.9	13.2	10.5	0.1	0.5	0.5	0.5	15	60
PAISLEY,	19.4	2.8	11.4	11.3	11.4	0.7	0.8	0.8	1.5	13	92
GREENOCK,	22.4	4.7	9.0	12.3	13.1	0.5	1.2	0.6	0.8	6	43
MOTHERWELL AND WISHAW,	21.9	7.5	8.0	8.7	10.9	0.5	0.7	0.5	1.3	9	84
CLYDEBANK,	21.1	7.2	9.9	6.3	10.7	0.0	1.5	1.0	1.3	8	114
KIRKCALDY,	14.4	1.9	13.3	10.8	10.6	0.8	0.3	0.3	0.8	2	36
COATBRIDGE,	24.8	2.2	10.3	10.3	13.4	1.1	1.1	1.1	0.6	7	83
KILMARNOCK,	16.4	5.6	13.1	11.8	10.6	0.3	0.6	0.3	1.5	3	45
HAMILTON,	27.5	5.7	11.4	7.3	8.8	0.6	0.0	0.0	0.3	2	27
AYR,	22.1	4.1	16.2	21.8	14.7	1.8	1.8	1.5	0.6	7	121
FALKIRK,	20.4	4.7	10.2	13.7	10.2	0.0	0.3	0.3	1.3	2	38
DUNFERMLINE,	13.0	2.6	12.3	11.7	9.0	0.0	0.3	0.3	1.0	2	43
PERTH,	15.2	0.0	9.5	13.5	10.1	0.0	0.7	0.7	1.7	4	95
TOTAL . (SIXTEEN TOWNS)	19.8	5.5	12.7	13.1	11.9	0.4	0.9	0.7	1.2	306	70

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JUNE 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
JUNE 1937, .	19·8	5·5	12·7	11·9	3	4	4	27	19	13	11	11	79	55°·7	
JUNE 1936, .	19·8	6·7	13·3	12·8	1	90	8	16	7	14	7	15	76	56°·5	
JUNE 1935, .	18·8	6·0	11·2	11·8	2	3	4	23	15	11	7	13	69	55°·5	
JUNE 1934, .	19·4	6·6	11·4	12·3	4	105	12	30	22	7	8	12	74	56°·6	
JUNE 1933, .	19·8	6·4	10·5	11·7	4	0	7	47	11	14	7	15	72	58°·8	
JUNE 1932, .	20·8	6·3	10·7	12·3	1	31	7	22	10	19	9	12	74	55°·7	
JUNE 1931, .	21·7	5·9	11·6	12·2	0	30	7	39	13	10	14	16	73	53°·4	
JUNE 1930, .	20·7	6·7	11·2	12·2	0	50	4	41	13	17	8	13	69	57°·1	
JUNE 1929, .	20·3	7·9	10·2	11·6	2	2	3	36	15	8	16	11	67	54°·4	
JUNE 1928, .	22·1	6·9	10·3	12·9	0	35	5	55	14	16	10	15	84	51°·8	
JUNE 1927, .	21·5	6·1	10·9	12·4	2	32	7	54	14	30	8	13	71	51°·6	

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS - June 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	3	1	2	-	-	-	-	-	2	-	1	-	-	-	-	-	
4	Measles -	4	2	2	-	4	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	4	1	3	-	2	1	-	-	1	-	-	-	-	-	-	-	
6	Whooping-cough -	27	11	16	21	6	-	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria -	19	8	11	-	8	10	1	-	-	-	-	-	-	-	-	-	
8	Influenza -	13	7	6	-	2	-	-	-	2	1	-	2	5	1	-	-	
14 (1)	Cerebro-spinal Fever -	11	6	5	3	2	1	1	3	-	-	1	-	-	-	-	-	
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	11	6	5	2	1	-	-	1	1	3	-	2	1	-	-	-	
10	Tuberculosis of Respiratory System -	146	77	69	1	3	-	5	51	41	16	18	9	1	1	-	-	
11	Other Tuberculous Diseases -	42	26	16	3	12	2	4	11	3	2	2	1	2	-	-	-	
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	9	8	1	-	-	-	-	1	-	-	4	3	-	-	-	-	
15	Cancer, Malignant Disease -	370	170	200	-	-	-	-	1	5	21	47	103	132	51	5	-	
18	Diabetes Mellitus -	30	15	15	-	-	-	-	-	2	2	6	5	11	4	-	-	
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	46	17	29	2	3	1	2	7	2	6	9	7	4	3	-	-	
22	Cerebral Hemorrhage, &c. -	220	93	127	-	1	-	-	1	1	7	18	57	78	51	6	-	
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	54	30	24	7	8	-	3	5	5	3	3	11	5	4	-	-	
24	Heart Disease -	484	245	239	-	-	-	-	7	11	26	37	81	180	115	27	-	
25	Other Circulatory Diseases -	45	25	20	-	-	-	-	-	-	8	5	8	17	19	5	-	
26	Bronchitis -	86	43	43	2	-	-	1	3	1	3	11	13	17	28	2	-	
27	Pneumonia (all forms) -	142	90	52	31	18	2	-	4	10	8	13	23	17	12	4	-	
28	Other Respiratory Diseases -	23	14	9	2	1	-	-	1	-	2	3	1	6	5	2	-	
32 (1)	Gastric and Duodenal Ulcer -	27	23	4	-	-	-	-	-	-	1	7	7	9	3	-	-	
29	Diarrhoea, &c. (all ages) -	54	31	23	49	1	-	-	-	1	-	2	1	-	-	-	-	
30	Appendicitis -	18	12	6	-	1	2	1	6	1	1	4	1	1	-	-	-	
31 (1)	Cirrhosis of Liver -	10	5	5	-	-	-	-	-	-	-	1	5	2	2	-	-	
31 (2)	Other Diseases of Liver, &c. -	16	3	13	-	-	-	-	1	1	1	6	6	1	-	-	-	
32 (2)	Other Digestive Diseases -	41	20	21	4	1	2	-	1	-	5	4	11	7	3	3	-	
33	Acute and Chronic Nephritis -	67	34	33	-	-	-	-	4	5	3	8	22	16	9	-	-	
34	Other Dis. of Genito-Urinary System -	26	20	16	2	-	-	-	1	2	7	-	8	12	4	-	-	
35	Puerperal Sepsis -	5	-	5	-	-	-	-	1	2	2	-	-	-	-	-	-	
36	Other Puerperal Causes -	18	-	18	-	-	-	-	2	5	6	-	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	20	14	6	3	-	1	-	-	2	4	2	3	2	3	-	-	
38	Congen. Debil., Prem. Birth, Malform., &c. -	173	99	74	170	2	-	-	1	-	-	-	-	10	40	14	-	
39	Old Age -	64	27	37	-	-	-	-	-	-	-	-	-	-	-	-	-	
40	Suicide -	23	16	7	-	-	-	-	-	3	2	5	6	3	4	-	-	
42	Other Violence (41) -	105	74	31	4	11	10	5	15	9	7	9	11	9	11	4	-	
43	Causes ill-defined or Unknown -	25	17	8	-	-	-	-	-	-	1	4	9	7	3	1	-	
	ALL CAUSES -	2486	1290	1196	306	87	32	23	126	118	138	225	423	556	378	74	-	

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—June 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	3	3	...	...	...	...	...	...	...
4	Measles	4	...	...	...	...	1	...	1	...
5	Scarlet Fever	4	3	...	...	...	...	...	...	...
6	Whooping-cough	27	14	3	1	...	1	2	2	...
7	Diphtheria	19	9	5	1	...	1	...	...	...
8	Influenza	13	4	2	1	...	1	1	...	...
14 (1)	Cerebro-spinal Fever	11	7	...	...	1	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	11	5	3	2	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	146	71	26	10	7	6	4	3	4
11	Other Tuberculous Diseases	42	22	6	4	1	...	4	1	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13,	9	3	1	2	3	...	...	...	...
15	Cancer, Malignant Disease	370	149	81	38	29	7	14	10	2
18	Diabetes Mellitus	30	17	3	2	1	2	1	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	46	26	5	3	1	1	3	2	...
22	Cerebral Hæmorrhage, &c.	220	93	34	21	23	6	8	4	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	54	20	10	3	3	5	3	4	1
24	Heart Disease	484	201	97	34	36	14	12	12	8
25	Other Circulatory Diseases	45	19	11	3	4	1	1	...	...
26	Bronchitis	86	46	8	7	6	4	1	1	1
27	Pneumonia (all forms)	142	75	26	10	2	7	3	6	3
28	Other Respiratory Diseases	23	10	5	3	...	...	1	...	1
32 (1)	Gastric and Duodenal Ulcer	27	7	6	3	1	3	3	...	1
29	Diarrhoea, &c. (all Ages)	54	40	3	3	1	1	1	1	...
30	Appendicitis	18	7	2	1	...	1	2	...	...
31 (1)	Cirrhosis of Liver	10	5	1	1	1	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	16	7	4	2	1	...	...	...	...
32 (2)	Other Digestive Diseases	41	20	11	3	3	2	...	...	...
33	Acute and Chronic Nephritis	67	20	18	4	5	3	2	5	1
34	Oth. Diseases of Genito-Urinary System	36	15	7	7	2	...	2	...	...
35	Puerperal Sepsis	5	2	...	...	1	1	...	...	1
36	Other Puerperal Causes	13	7	1	...	...	...	1	2	...
37	Dis. of Skin, and of Locomotor System	20	10	4	1	1	...	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	173	97	19	9	11	8	2	4	6
39	Old Age	64	27	12	4	4	1	3	...	2
40	Suicide	23	9	5	4	1	2	1	...	...
42	Other Violence (41)	105	63	11	5	3	4	9	1	2
43	Causes Ill-defined or Unknown ...	25	14	1	...	1	...	2	...	...
	All Causes	2486	1147	431	192	154	85	87	60	42
	AGE AT DEATH.									
	Under 1	306	182	26	18	15	13	6	9	8
	1-4	87	40	15	5	2	4	5	4	2
	5-9	32	21	4	1	1	1	1	...	1
	10-14	23	9	5	1	...	1	1	1	1
	15-24	126	72	12	9	5	3	7	4	2
	25-34	118	57	18	6	2	8	9	4	1
	35-44	138	62	25	11	5	7	3	3	4
	45-54	225	106	43	13	15	6	4	5	4
	55-64	423	204	69	31	31	12	15	7	5
	65-74	556	219	107	51	42	19	25	17	6
	75-84	378	155	82	38	27	11	11	6	6
	85 and over	74	20	25	8	9	...	...	...	2
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2486	1147	431	192	154	85	87	60	42

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—June 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	1	1	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	1	...	...	...
6	Whooping-cough	1	1	...	...	2	...	...	...
7	Diphtheria ... ..	...	...	...	1	2	...	...	...
8	Influenza	1	3	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	1	...	1	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	4	1	...	5	1	1	2
11	Other Tuberculous Diseases ... ..	...	...	1	...	1	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	3	5	2	6	8	9	2	5
18	Diabetes Mellitus	3	...	1	...	...	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	1	...	...	2	1	1	...
22	Cerebral Hæmorrhage, &c.	3	4	3	2	3	1	5	3
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	2	...	1	...	...	1
24	Heart Disease	13	8	11	5	9	7	10	7
25	Other Circulatory Diseases ... ..	...	...	1	...	2	2	...	1
26	Bronchitis	2	2	1	...	...	1	2	4
27	Pneumonia (all forms)	1	...	3	1	1	2	1	1
28	Other Respiratory Diseases ... ..	...	...	1	...	1	1	...	...
32 (1)	Gastric and Duodenal Ulcer	1	1	1	...	...	...	...	...
29	Diarrhœa, &c. (all Ages)	1	...	1	...	...	...	...	2
30	Appendicitis ... ..	...	2	...	2	...	1	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	1	...	1	...	...	...	...
32 (2)	Other Digestive Diseases	2	...	...	...	...	...	...	...
33	Acute and Chronic Nephritis	1	2	...	1	1	1	2	1
34	Oth. Diseases of Genito-Urinary System	...	...	2	...	...	1	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	1	...	...	...	1	...	...	...
37	Dis. of Skin, and of Locomotor System	...	1	1	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	1	6	...	2	3	1	2	2
39	Old Age	3	2	...	3	...	3	...	...
40	Suicide ... ..	...	...	1	...	...	...	...	...
42	Other Violence (41) ... ..	...	1	...	2	2	...	1	1
43	Causes Ill-defined or Unknown ...	...	3	1	1	2	...	...	...
	All Causes ...	39	48	35	28	49	32	27	30
	AGE AT DEATH.								
	Under 1	2	7	3	2	7	2	2	4
	1-4	1	2	1	1	5	...	...	...
	5-9 ... ..	...	...	...	1	1	...	...	...
	10-14	1	1	1	1	...	...	...	...
	15-24	1	6	1	...	2	1	...	1
	25-34	1	4	2	1	1	1	1	2
	35-44 ... ..	...	4	1	2	5	2	3	1
	45-54	5	4	2	2	3	5	7	1
	55-64	9	8	4	5	10	3	6	4
	65-74	12	8	13	8	9	6	5	9
	75-84	5	2	5	5	6	10	2	7
	85 and over	2	2	2	...	...	2	1	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	39	48	35	28	49	32	27	30

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of JUNE 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.						HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.						
			Mean of		Difference from Average.	Absolute Maximum and Minimum.		Mean of		Total Fall.	Difference from Average.	Hours per Day.	Per Cent. of Possible.								
			Maximum (A.)	Minimum (B.)		° F.	° F.	° F.	° F.					° F.	° F.	Daily Mean.	inch.	inch.			
GLASGOW, Professor M.D., The University.	85	Mb. 1015.7	inches. 29.993	° F. 62.2	° F. 59.4	° F. 56.3	° F. +0.7	° F. 69	21st	° F. 40	2nd	° F. 56.7	° F. 4.2	Mb. 11.7	% 75	16	2.26	-0.26	5.95	+0.74	34
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	1015.6	29.990	62.6	43.6	55.6	+1.4	70	21st	33	2nd	54.1	3.7	10.8	75	16	1.00	-1.00	6.05	-0.39	35
DUNDEE, College Gardens.	147	1015.1	29.976	63.5	48.7	56.1	+1.6	77	25th	38	2nd	53.2	5.0	11.5	70	14	2.49	+0.69	5.83	-0.50	33
ABERDEEN, The Meteorological Office.	79	1014.2	29.950	60.8	43.7	54.7	+1.8	74	25th	39	2, 3	55.4	4.4	10.8	73	13	1.26	-0.45	6.25	+0.23	35
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1015.9	30.090	64.5	49.6	57.1	+0.6	73	21st	39	2nd	56.3	3.7	11.7	77	15	1.84	-0.64	6.23	+0.30	36
GREENOCK, J. MacKINSTER, M.Inst. C.E., Greenock Waterworks.	199	1015.6	29.990	61.8	49.7	55.7	+0.4	67	11, 21	40	2nd	55.5	3.3	11.6	79	14	2.96	-0.34	6.03	..	35
KIRKCALDY, The Medical Officer of Health.	137	..	..	63.6	47.7	55.7	+0.2	72	22nd	39	19th	56.0	3.3	12.1	79	7	1.15	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	133	..	..	62.5	43.2	55.3	-0.3	69	11th	36	2, 13	56.6	3.5	12.4	78	12	3.25	+1.05	5.89	-0.27	34
AYR, The Medical Officer of Health.	43	..	..	61.1	48.4	54.7	..	67	11th	41	2nd	54.9	2.3	12.6	85	10	2.33	..	5.90	..	34
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	63.0	47.4	55.2	..	68	6th	39	2nd	56.2	3.8	11.6	76	16	2.25	..	5.01	..	29
PERTH, J. KIRCHIE, The Museum.	76	1015.2	29.980	65.8	47.2	56.5	+0.6	74	25th	36	19th	55.6	2.1	13.3	87	13	1.54	-0.43	6.33	-0.30	36
Means	146	1015.3	29.983	62.9	48.6	55.7	+0.8	..	..	..	..	56.0	3.6	11.8	78	13	2.03	-0.17	5.95	-0.03	34
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'. Mean, 3° 36'.																					

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 2h., at Glasgow, Greenock, Dumfries and Perth at 9h. only, and at Aberdeen at 7h. and 18h.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

JULY 1937.

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REPORT

During the month of July 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 4,008 living children, of whom 2,042 were males and 1,966 were females. Compared with the number in the previous month, male births are 52 fewer, female births 87 fewer and those of children of both sexes 139 fewer. The monthly birth-rate in these towns taken collectively was 18·5 per thousand. This rate is 1·3 less than that for the previous month and is 0·1 below the average.

In the individual towns the monthly birth-rate ranged from 25·9 in Coatbridge, 23·3 in Greenock and 23·2 in Hamilton, to 12·4 in Perth, 12·9 in Falkirk and 15·4 in Edinburgh. In Motherwell and Wishaw the rate was 22·7, in Glasgow 19·7, in Kilmarnock 19·4, in Ayr 19·1, in Dundee 17·7, in Dunfermline 17·7, in Aberdeen 17·5, in Clydebank 16·9, in Paisley 16·4 and in Kirkcaldy 16·0.

Of the 4,008 living children whose births were registered during the month, 3,767 or 94·0 per cent. were legitimate, while 241 or 6·0 per cent. were illegitimate. The legitimate children numbered 150 fewer than in the previous month but the illegitimate children 11 more. The illegitimate rate for the month is 0·5 above that for the previous month. In the individual towns it ranged from 7·4 in Dundee, 7·3 in Dunfermline and 6·6 in Hamilton, to 0 in Falkirk, 2·6 in Perth and 3·0 in Kilmarnock. In Glasgow it was 6·2 and in Edinburgh 6·0.

Marriages registered during the month numbered 3,186 and are 528 more than in the previous month. The marriage rate, 14·7 per thousand, is 2·0 above that for the previous month and 0·9 above the average. In the individual towns it ranged from 17·8 in Dundee, 17·0 in Kirkcaldy and 16·6 in Falkirk, to 8·1 in Greenock, 10·1 in Hamilton and 10·2 in Coatbridge. In Glasgow it was 15·6 and in Edinburgh 14·0. These marriage numbers have not been corrected for transfer to place of usual residence.

Deaths registered in these towns during the month numbered 2,709 and are 39 fewer than in the previous month. Deducting deaths of persons with usual

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,452, of whom 1,321 were males and 1,131 were females. The corrected number is 34 fewer than in the previous month, males being 31 more but females 65 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 11·3 per thousand, being 0·6 below that for the previous month but 0·3 above the average. In the towns taken individually the death-rate ranged from 15·9 in Coatbridge, 12·9 in Dundee and 12·2 in Edinburgh, to 7·6 in Clydebank, 7·7 in Falkirk and 8·5 in Kilmarnock. In Greenock it was 11·9, in Dunfermline 11·9, in Hamilton 11·6, in Glasgow 11·5, in Kirkcaldy 11·5, in Paisley 10·1, in Motherwell and Wishaw 10·1, in Perth 9·5, in Ayr 9·3 and in Aberdeen 8·8.

Deaths of children of less than one year old numbered 270, and equalled an infantile mortality rate of 68 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 36 fewer than in the previous month, while the rate is 11 less than in that month but 3 above the average. In the individual towns this rate ranged from 125 in Coatbridge, 117 in Hamilton and 89 in Motherwell and Wishaw, to 0 in Dunfermline, 14 in Clydebank and 31 in Aberdeen. In Paisley it was 83, in Glasgow 78, in Dundee 60, in Kilmarnock 60, in Falkirk 57, in Greenock 55, in Kirkcaldy 53, in Edinburgh 52, in Ayr 50 and in Perth 47.

Deaths from the principal epidemic diseases numbered 64 and equalled a death-rate of 0·3 per thousand. These deaths are 28 fewer than in the previous month and the rate is 0·1 less. They include 1 from typhoid fever, 3 from measles, 4 from scarlet fever, 21 from whooping-cough, 15 from diphtheria, 4 from influenza, 8 from cerebro-spinal fever, and 8 from other epidemic diseases, 4 of which were ascribed to lethargic encephalitis, 3 to erysipelas and 1 to dysentery. Compared with the number in the previous month deaths from typhoid fever are 2 fewer, from measles 1 fewer, from scarlet fever the same, from whooping-cough 6 fewer, from diphtheria 4 fewer, from influenza 9 fewer, from cerebro-spinal fever 3 fewer, and from other epidemic diseases 3 fewer.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 236, and equalled a death-rate of 1·1 per thousand. Compared with the number in the previous month these deaths are 15 fewer, while the rate is 0·1 less but is the same as the average.

Deaths from all forms of tuberculosis numbered 166, of which 128 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 22 fewer and those from respiratory tuberculosis 18 fewer. Compared with the average the former are 12 fewer but the latter 1 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JULY 1937.

Mean barometric pressure, 29·910 ins.; less than average* by 0·019 in.

Mean temperature, 58°·5 F.; greater by 0°·1 F.

Mean daily range of temperature, 13°·6 F.; less by 0°·7 F.

Mean daily sunshine, 4·06 hours; less by 1·05 hour.

Rain, depth in inches, 4·39; greater by 1·27 in.

Wind, direction of: an approximately normal distribution.

The chief features of the month were the paucity of sunshine—it being the least sunny July since 1931—and the excess of rainfall, especially in the south and central areas.

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

A succession of depressions passing from the west of Ireland across England and the south of Scotland brought cool, cloudy conditions over Scotland generally during the first week, with considerable rain in places. In Edinburgh the rainfall of the week July 3rd to 9th reached the high total of 4·64 inches. A ridge of high pressure extended over Great Britain on the 10th and 11th and a brief spell of fair or fine weather set in, though temperatures remained low for the time of year. Mainly showery weather was associated with a depression from Iceland which moved slowly away on an easterly course during the 12th to 14th. From the 15th to 19th fine weather with considerable sunshine was enjoyed in East Scotland. Conditions at this time were less agreeable in western districts, which came under the influence of a depression on the Atlantic. A spell of rather unsettled weather followed, but in the last week of the month anticyclonic conditions prevailed and fine dry weather was experienced almost everywhere. There was an appreciable rise in temperature at the end of the month. At Edinburgh the extremes of pressure were 30·18 ins. on the 17th and 29·55 ins. on the 21st.

The mean temperature of the month varied little from the normal. Generally it was slightly above normal in the east and slightly below in the west. The warmest day was the 31st, when shade maxima of 70° F. or above were recorded in all districts. The highest values reported were 80° F. at Kelso and 78° F. at Carnoustie. Many places also recorded 70° F. or above on the 18th. This followed the warmest night of the year, when some unusually high minima were reported. The highest of these were 62° F. at Kilmarnock and Prestwick and 61° F. at Fort William, Greenock, Renfrew, Edinburgh and Dunfermline. The coldest night was the 11th, when the thermometer fell to about 40° F. in most districts and to 35° at Balmoral and 34° at Braemar and Dalwhinnie. The coolest days were the 3rd and 4th, when temperature failed to rise above 52° F. at Wick, Dalwhinnie, Aberdeen and Balmoral. The only ground frosts reported were at Dalwhinnie, where minima of 28° and 30° were recorded on the 11th and 16th respectively.

The duration of sunshine was everywhere below normal. The deficiency was greatest in the extreme north, where Lerwick and Baltasound had aggregates of only 66 and 82 hours, representing deficiencies of 71 and 46 hours respectively. Several other places in the west had less than 100 hours of sunshine. The largest aggregates reported were 152 hours at Tiree and 142 hours at Dunbar, Balerno and Troon.

The rainfall was above average almost everywhere, but deficiencies occurred in some northern districts and in Berwickshire. The areas of greatest excess, where about twice the average fall was registered, lay around Edinburgh and Dundee, along Luce Bay (Wigtownshire) and in Argyll. The total rainfall at the Royal Observatory, Edinburgh, 5·37 inches, was the heaviest for July in 42 years' record. Daily falls exceeding an inch were reported in all districts during the first week of the month and at some stations in the west on the 20th. The heaviest falls on the 2nd were 2·80 inches at Glencoe, 2·50 at Inveraray, 2·38 at Tyndrum and 2·37 at Ardgour. The only fall exceeding 2 inches on the 20th was 2·63 at Kingairloch. Hail was reported at Carluke on the 21st.

Fog, usually of coastal type, was reported on 8 days.

Gales occurred at Stornoway on the 2nd, when gusts up to 55 miles per hour were registered, and at Duntulm (Skye) on the 21st.

Thunder was reported widely on the 3rd and 4th and locally on 10 other days.

No reports of aurora were received.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 56.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JULY 1937.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)		
								Both Sexes.		Males.	Females.	Out.		In.	
GLASGOW, . . .	1,088,524	1,119,900	1878	941	937	1761	117	1482	1197	656	541	153	54	1608	
EDINBURGH, . .	439,010	468,500	612	317	295	575	37	556	571	297	274	105	18	484	
DUNDEE, . . .	175,681	179,300	269	135	134	249	20	271	207	102	105	24	13	196	
ABERDEEN, . .	169,803	178,300	265	145	120	250	15	207	174	97	77	47	6	133	
PAISLEY, . . .	86,445	90,500	126	58	68	118	8	112	83	48	35	13	8	78	
GREENOCK, . .	*79,612	80,900	160	74	86	151	9	56	84	49	35	12	10	82	
MOTHERWELL AND WISHAW, .	64,710	66,800	129	62	67	121	8	84	45	20	25	1	13	57	
CLYDEBANK, . .	46,952	48,000	69	37	32	65	4	55	19	9	10	..	12	31	
KIRKCALDY, . .	43,874	44,900	61	30	25	58	3	65	41	16	25	..	3	44	
COATBRIDGE, .	43,056	43,700	96	54	42	92	4	38	50	35	15	8	12	59	
KILMARNOCK, .	38,681	40,100	66	36	30	64	2	49	32	22	10	12	9	29	
HAMILTON, . .	37,990	38,500	76	40	36	71	5	33	38	17	16	4	9	38	
AYR,	38,905	40,700	66	34	32	62	4	43	50	28	22	21	3	32	
FALKIRK, . . .	36,566	38,200	42	22	20	42	..	54	31	20	11	11	5	25	
DUNFERMLINE, .	35,058	36,500	55	27	28	51	4	45	45	19	26	11	3	37	
PERTH,	35,051	36,000	38	24	14	37	1	36	47	27	20	22	4	29	
TOTAL (SIXTEEN TOWNS)	2,459,318	2,550,700	4008	2042	1966	3767	241	3186	2709	1462	1247	439	182	2452	

* Greenock Burgh boundaries extended 16th May 1937.

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JULY 1937.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	19.7	6.2	15.6	12.6	11.5	0.3	1.1	0.9	1.2	148	78	
EDINBURGH, .	15.4	6.0	14.0	14.4	12.2	0.3	0.3	0.2	1.0	32	52	
DUNDEE, . .	17.7	7.4	17.8	13.6	12.9	0.4	0.5	0.4	1.1	16	60	
ABERDEEN, .	17.5	5.7	13.7	11.5	8.3	0.1	0.3	0.3	0.6	8	31	
PAISLEY, . .	16.4	6.3	14.6	10.8	10.1	0.4	0.4	0.4	1.2	12	33	
GREENOCK, .	23.3	5.6	8.1	12.2	11.9	0.0	1.9	1.3	1.2	8	55	
MOTHERWELL AND WISHAW, .	22.7	6.2	14.8	7.9	10.1	0.7	0.4	0.4	1.1	10	39	
CLYDEBANK, .	16.9	5.8	13.5	4.7	7.6	0.5	0.5	0.2	1.2	1	14	
KIRKCALDY, .	16.0	4.9	17.0	10.7	11.5	0.5	0.0	0.0	0.5	3	53	
COATBRIDGE, .	25.9	4.2	10.2	13.5	16.9	0.5	1.6	1.1	2.4	11	125	
KILMARNOCK, .	19.4	3.0	14.4	9.4	8.5	0.3	0.0	0.0	0.9	4	60	
HAMILTON, .	23.2	6.6	10.1	10.1	11.6	0.6	0.3	0.0	1.8	9	117	
AYR,	19.1	6.1	12.5	14.5	9.3	0.3	0.0	0.0	0.3	3	50	
FALKIRK, . .	12.9	0.0	16.6	9.5	7.7	0.3	1.2	1.2	0.6	3	57	
DUNFERMLINE, .	17.7	7.3	14.5	14.5	11.9	0.3	1.0	0.6	0.6	0	0	
PERTH, . . .	12.4	2.6	11.8	15.4	9.5	0.0	0.7	0.7	1.0	2	47	
TOTAL . (SIXTEEN TOWNS)	18.5	6.0	14.7	12.5	11.3	0.3	0.8	0.6	1.1	270	68	

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JULY 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JULY 1937, .	18.5	6.0	14.7	11.3	1	3	4	21	15	4	8	8	68	58°.5
JULY 1936, .	18.7	5.7	14.3	11.1	3	32	6	27	10	9	5	15	71	58° 7
JULY 1935, .	19.2	5.8	15.4	11.0	0	2	4	15	5	6	4	8	64	59° 6
JULY 1934, .	18.7	6.5	14.4	11.3	2	52	3	31	22	8	9	8	65	62° 1
JULY 1933, .	18.1	6.0	13.5	10.8	1	1	13	19	13	7	11	12	61	62° 2
JULY 1932, .	18.3	6.5	11.4	10.6	1	9	8	15	8	5	10	7	63	58° 8
JULY 1931, .	20.3	6.1	12.3	10.9	0	34	3	34	14	6	17	14	69	58° 0
JULY 1930, .	19.9	6.6	12.3	11.5	0	25	5	30	14	11	12	15	55	58° 3
JULY 1929, .	20.7	6.4	14.0	11.7	0	8	3	32	15	3	18	18	68	58° 3
JULY 1928, .	20.7	6.3	13.1	11.4	1	15	4	48	16	8	7	13	71	57° 3
JULY 1927, .	20.1	6.3	11.9	11.5	0	46	5	44	15	15	7	12	71	59° 4

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over	
1	Typhoid Fever (including Paratyphoid) -	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
4	Measles -	3	2	1	-	3	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	4	1	3	-	2	2	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough -	21	11	10	12	9	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	15	12	3	-	6	6	2	-	1	-	-	-	-	-	-	-
8	Influenza -	4	2	2	-	-	-	-	-	-	-	-	1	3	-	-	-
14 (1)	Cerebro-spinal Fever -	8	6	2	4	2	1	1	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	8	4	4	-	1	-	-	-	2	1	2	1	2	1	-	-
10	Tuberculosis of Respiratory System -	128	71	57	-	1	3	1	42	32	20	16	10	3	-	-	-
11	Other Tuberculous Diseases -	38	18	20	5	10	3	9	4	4	-	2	-	1	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	11	5	6	3	1	-	-	2	1	1	2	1	-	-	-	-
15	Cancer, Malignant Disease -	339	168	171	-	-	1	-	1	3	22	50	100	107	47	8	-
18	Diabetes Mellitus -	15	5	10	-	-	-	-	-	1	2	5	1	6	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	56	25	31	1	-	3	3	7	5	7	5	11	13	1	-	-
22	Cerebral Haemorrhage, &c. -	225	88	137	-	-	-	-	1	-	6	20	42	77	66	13	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	65	38	27	12	4	1	2	1	4	12	7	6	11	4	1	-
24	Heart Disease -	510	277	233	-	-	-	2	6	16	18	49	80	180	139	20	-
25	Other Circulatory Diseases -	49	33	16	-	-	-	-	1	1	1	6	6	10	19	5	-
26	Bronchitis -	67	39	28	2	2	-	-	1	1	4	2	8	19	24	4	-
27	Pneumonia (all forms) -	139	92	47	28	12	2	-	6	6	15	20	22	14	13	1	-
28	Other Respiratory Diseases -	30	16	14	1	1	2	-	1	-	1	2	4	6	7	5	-
32 (1)	Gastric and Duodenal Ulcer -	39	31	8	-	-	-	-	-	4	3	10	9	8	5	-	-
29	Diarrhoea, &c. (all ages) -	49	26	23	37	7	-	-	2	-	-	-	1	1	1	-	-
30	Appendicitis -	15	7	8	-	-	2	1	2	2	2	1	3	2	-	-	-
31 (1)	Cirrhosis of Liver -	10	7	3	-	-	1	-	-	-	2	1	3	3	-	-	-
31 (2)	Other Diseases of Liver, &c. -	10	1	9	1	-	-	-	-	-	-	3	3	1	2	-	-
32 (2)	Other Digestive Diseases -	41	22	19	5	1	3	2	-	2	5	2	7	5	6	3	-
33	Acute and Chronic Nephritis -	71	39	32	1	-	-	-	3	4	9	12	17	14	11	-	-
34	Other Dis. of Genito-Urinary System -	26	21	15	-	-	-	-	1	2	-	5	9	8	9	2	-
35	Puerperal Sepsis -	10	-	10	-	-	-	-	-	6	1	-	-	-	-	-	-
36	Other Puerperal Causes -	11	-	11	-	-	-	-	4	4	3	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	30	18	12	6	1	-	1	1	3	3	2	6	5	2	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	147	82	65	143	2	2	-	-	-	-	-	-	-	-	-	-
39	Old Age -	57	24	33	-	-	-	-	-	-	-	-	1	6	36	14	-
40	Suicide -	23	16	7	-	-	-	-	-	2	-	7	5	4	-	-	-
42	Other Violence (41) -	121	83	38	5	11	13	9	17	12	3	11	12	15	9	4	-
43	Causes ill-defined or Unknown -	46	30	16	4	-	-	-	1	1	1	6	8	17	8	-	-
	ALL CAUSES -	2452	1321	1131	270	76	45	33	107	114	152	240	381	537	416	81	-

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	...	...	...	...	...	...	...
4	Measles	3	2	...	1	...	...	...	...	...
5	Scarlet Fever	4	1	1	...	...	...	...	...	1
6	Whooping-cough	21	11	1	1	1	...	...	4	...
7	Diphtheria	15	5	2	3	1	1	...	...	...
8	Influenza	4	1	2	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	8	6	...	1	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	8	1	4	...	...	1	...	...	1
10	Tuberculosis of Respiratory System ...	128	82	9	6	4	3	9	2	1
11	Other Tuberculous Diseases	38	23	4	1	1	...	4	...	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	11	4	1	4	...	...	1	...	1
15	Cancer, Malignant Disease	339	138	87	33	23	10	8	8	3
18	Diabetes Mellitus	15	4	5	...	1	2	...	...	3
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	56	26	10	3	2	1	2	3	...
22	Cerebral Hæmorrhage, &c.	225	95	52	21	18	5	5	4	2
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	65	16	5	12	4	3	6	3	1
24	Heart Disease	510	210	113	48	34	11	12	10	4
25	Other Circulatory Diseases	49	15	15	2	5	3	1	2	...
26	Bronchitis	67	37	8	2	1	7	2	2	...
27	Pneumonia (all forms)	139	67	23	12	6	1	5	4	5
28	Other Respiratory Diseases	30	11	8	3	2	1	1	...	...
32 (1)	Gastric and Duodenal Ulcer	39	16	6	2	3	2	1	2	1
29	Diarrhoea, &c. (all Ages)	49	36	1	4	4	...	...	1	...
30	Appendicitis	15	8	2	1	1	...	...	1	...
31 (1)	Cirrhosis of Liver	10	6	3	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	10	3	1	2	1	...	1	1	1
32 (2)	Other Digestive Diseases	41	23	6	2	2	3	1	1	1
33	Acute and Chronic Nephritis	71	20	25	6	4	3	4	1	...
34	Oth. Diseases of Genito-Urinary System	36	16	8	4	1	2	3	...	...
35	Puerperal Sepsis	10	5	1	...	...	1	...	...	2
36	Other Puerperal Causes	11	5	3	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	30	17	3	1	1	1	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	147	80	26	4	2	8	2	4	...
39	Old Age	57	25	9	3	3	3	4	...	1
40	Suicide	23	4	9	1	3	...	2	...	...
42	Other Violence (41)	121	50	28	10	3	4	7	2	2
43	Causes Ill-defined or Unknown	46	29	3	3	2	1	1	2	...
	All Causes	2452	1098	484	196	133	78	82	57	31
	AGE AT DEATH.									
	Under 1	270	148	32	16	8	12	8	10	1
	1-4	76	41	6	6	1	1	4	4	1
	5-9	45	21	9	3	1	2	1	1	1
	10-14	33	21	2	2	2	...	1	2	...
	15-24	107	60	15	9	1	2	7	2	1
	25-34	114	56	14	9	8	7	2	1	1
	35-44	152	76	23	13	10	4	6	2	3
	45-54	240	104	52	19	17	3	10	6	4
	55-64	381	167	75	36	18	12	14	14	5
	65-74	537	220	127	45	31	14	13	9	6
	75-84	416	156	111	30	28	19	13	6	7
	85 and over	81	28	18	8	8	2	3	...	1
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2452	1098	484	196	133	78	82	57	31

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	1	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	1	...	...	...	...	...	...
6	Whooping-cough	1	...	...	...	1	1	...	...
7	Diphtheria ... ..	...	...	1	2	...	...	...	...
8	Influenza ... ..	...	1	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	1	...
10	Tuberculosis of Respiratory System	...	4	...	...	...	4	2	2
11	Other Tuberculous Diseases	...	2	...	1	...	...	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	5	2	4	3	3	4	6	2
18	Diabetes Mellitus ... ..	...	...	...	...	...	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	3	...	2	1	2	1	...	...
22	Cerebral Hæmorrhage, &c.	6	5	2	1	2	1	3	3
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	2	3	3	1	1	1	3	1
24	Heart Disease	14	10	4	7	4	6	11	12
25	Other Circulatory Diseases	1	1	2	1	...	...	1	...
26	Bronchitis ... ..	...	4	...	3	1	...	...	...
27	Pneumonia (all forms)	2	5	2	3	...	1	1	2
28	Other Respiratory Diseases	...	...	1	...	...	1	1	1
32 (1)	Gastric and Duodenal Ulcer	...	...	1	1	3	...	1	...
29	Diarrhœa, &c. (all Ages)	...	...	1	2	...	...	...	...
30	Appendicitis ... ..	...	1	...	...	1	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases	2	...	...	...	...	...	...	...
33	Acute and Chronic Nephritis ... ..	...	...	1	2	1	1	1	2
34	Oth. Diseases of Genito-Urinary System	...	1	...	...	...	...	...	1
35	Puerperal Sepsis ... ..	...	1	...	...	...	...	...	...
36	Other Puerperal Causes	1	1	...	...	1	...	...	...
37	Dis. of Skin, and of Locomotor System	...	1	...	2	2	...	2	...
38	Congenital Debility, Premature Birth, Malformations, &c.	1	10	1	4	3	1	...	1
39	Old Age	2	1	...	...	4	1	...	1
40	Suicide	1	1	...	1	1	...	...	...
42	Other Violence (41) ... ..	...	3	3	2	2	2	2	1
43	Causes Ill-defined or Unknown	2	1	1	...	...	...	1	...
	All Causes	44	59	29	38	32	25	37	29
	AGE AT DEATH.								
	Under 1	3	11	4	9	3	3	...	2
	1-4	2	3	...	3	1	...	1	2
	5-9 ... ..	...	...	2	1	1	...	2	...
	10-14 ... ..	...	3	...	...	...	...	...	...
	15-24	3	1	2	1	...	2	...	1
	25-34	2	4	3	3	...	1	3	...
	35-44 ... ..	...	3	1	1	3	4	3	...
	45-54	3	4	2	4	4	3	4	1
	55-64	7	5	3	3	4	6	5	7
	65-74	11	14	7	9	9	4	9	9
	75-84	9	10	5	3	6	1	7	5
	85 and over	4	1	...	1	1	1	3	2
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	44	59	29	38	32	25	37	29

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of JULY 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.					HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.	
			Mean of		Difference from Average.	Absolute Maximum and Minimum.		Mean of	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Per Cent. of Possible.	Hours per Day.	
			Maximum (A.)	Minimum (B.)		Day of Month.	Minimum.								Day of Month.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	85	Mb. 1012.9 inches. 29.913	65.4 52.3	75 31st	46 11th	59.1 59.1	+0.4	59.6 3.5	14.0 73	19	3.20 +0.11	3.80	-0.77	23	
EDINBURGH, Professor R. A. SIMPSON, F.R.S., Royal Observatory.	441	1013.1 29.918	64.4 51.6	75 31st	47 5th	58.0	+0.3	57.1 3.1	12.8 81	17	5.37 +2.55	4.35	-0.98	23	
DUNDEE, College Gardens.	147	1012.4 29.396	65.8 51.8	78 31st	45 11th	53.3	+0.2	59.3 3.8	13.2 77	16	5.21 +2.47	3.83	-1.51	23	
ABERDEEN, The Meteorological Office.	79	1012.3 29.893	62.0 51.3	73 31st	46 11th	56.9	+0.2	57.1 3.0	13.0 82	17	3.93 +1.12	4.09	-0.32	24	
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1013.1 29.918	67.5 52.3	77 31st	45 11th	59.9	+0.4	58.3 2.9	14.1 83	16	3.62 +0.76	4.48	-0.54	27	
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1013.0 29.910	64.4 52.6	72 13, 31	47 11th	58.5	+0.2	57.6 2.9	13.5 83	18	4.15 +0.23	4.29	..	25	
KIRKCALDY, The Medical Officer of Health.	137	..	66.8 50.9	76 19, 31	41 11th	53.9	-0.2	58.4 2.9	13.5 83	16	4.23 ..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	122	..	65.6 50.9	75 31st	41 8th	53.3	-0.4	59.2 2.6	14.4 85	18	5.03 +1.92	4.10	-0.97	24	
AYR, The Medical Officer of Health.	43	..	64.0 52.3	74 31st	45 8th	58.1	..	58.0 1.7	14.7 89	16	5.00 ..	4.38	..	26	
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	65.3 51.0	76 31st	45 5th	58.1	..	58.6 2.9	14.1 83	17	4.62 ..	3.52	..	21	
PERTH, J. KIRCHIZ, The Museum.	76	1013.0 29.916	67.5 50.6	77 31st	42 10th	59.1	0.0	57.6 1.2	15.2 92	16	3.91 +1.02	3.80	-1.73	22	
Means	146	1012.8 29.910	65.3 51.7	..	..	58.5	+0.1	58.3 2.3	13.9 83	136	4.39 +1.27	4.06	-1.05	24
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 2'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 5° 27'; Mean, 3° 36'.															

* At Edinburgh, Paisley and Ayr observations are made at 9th. and 21th., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9th. only, and at Aberdeen at 7th. and 13th.

† Barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.331 mercury inches) and inches.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

AUGUST 1937.

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REPORT

During the month of August 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,939 living children, of whom 1,997 were males and 1,942 were females. Compared with the number in the previous month, male births are 45 fewer, female births 24 fewer and those of children of both sexes 69 fewer. The monthly birth-rate in these towns taken collectively was 18·2 per thousand. This rate is 0·3 less than that for the previous month but is 0·4 above the average.

In the individual towns the monthly birth-rate ranged from 22·9 in Hamilton, 21·0 in Coatbridge and 19·9 in Greenock, to 11·5 in Kirkcaldy, 13·9 in Dunfermline and 14·5 in Motherwell and Wishaw. In Glasgow the rate was 19·4, in Dundee 19·2, in Paisley 18·3, in Falkirk 17·9, in Aberdeen 17·2, in Kilmarnock 16·7, in Edinburgh 16·4, in Clydebank 16·4, in Ayr 15·6 and in Perth 14·7.

Of the 3,939 living children whose births were registered during the month, 3,710 or 94·2 per cent. were legitimate, while 229 or 5·8 per cent. were illegitimate. The legitimate children numbered 57 fewer than in the previous month and the illegitimate children 12 fewer. The illegitimate rate for the month is 0·2 below that for the previous month. In the individual towns it ranged from 11·1 in Perth, 7·2 in Dundee, 6·5 in Glasgow and 6·5 in Aberdeen, to 0 in Kirkcaldy and in Dunfermline, 1·7 in Falkirk and 1·9 in Ayr. In Edinburgh it was 6·4.

Marriages registered during the month numbered 1,902 and are 1,284 fewer than in the previous month. The marriage-rate, 8·8 per thousand, is 5·9 below that for the previous month but 0·9 above the average. In the individual towns it ranged from 14·7 in Perth, 11·4 in Edinburgh and 10·1 in Aberdeen, to 4·3 in Coatbridge, 5·0 in Kilmarnock and 5·1 in Motherwell and Wishaw. In Glasgow it was 8·5. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths registered in these towns during the month numbered 2,534 and are 175 fewer than in the previous month. Deducting deaths of persons with usual

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

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residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,305, of whom 1,162 were males and 1,143 were females. The corrected number is 147 fewer than in the previous month, males being 159 fewer but females 12 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 10·6 per thousand, being 0·7 below that for the previous month but 0·1 above the average. In the towns taken individually the death-rate ranged from 14·7 in Kirkcaldy, 12·3 in Dundee and 11·6 in Ayr, to 8·6 in Hamilton, 8·8 in Perth and 8·9 in Coatbridge. In Clydebank it was 11·0, in Glasgow 10·9, in Falkirk 10·8, in Greenock 10·6, in Kilmarnock 10·6, in Dunfermline 10·3, in Edinburgh 10·2, in Motherwell and Wishaw 9·9, in Paisley 9·8 and in Aberdeen 9·2.

Deaths of children of less than one year old numbered 273, and equalled an infantile mortality rate of 68 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 3 more than in the previous month, while the rate is the same as in that month but 4 above the average. In the individual towns this rate ranged from 117 in Ayr, 111 in Clydebank, 78 in Glasgow and 78 in Hamilton, to 30 in Kilmarnock, 35 in Coatbridge and 36 in Kirkcaldy. In Paisley it was 76, in Dundee 75, in Perth 70, in Greenock 63, in Dunfermline 63, in Aberdeen 61, in Falkirk 56, in Edinburgh 45 and in Motherwell and Wishaw 45.

Deaths from the principal epidemic diseases numbered 54 and equalled a death-rate of 0·2 per thousand. These deaths are 10 fewer than in the previous month and the rate is 0·1 less. They include 1 from typhoid fever, 2 from measles, 2 from scarlet fever, 14 from whooping-cough, 23 from diphtheria, 4 from influenza, 3 from cerebro-spinal fever, and 5 from other epidemic diseases, 2 of which were ascribed to erysipelas, 2 to lethargic encephalitis and 1 to dysentery. Compared with the number in the previous month deaths from typhoid fever number the same, from measles 1 fewer, from scarlet fever 2 fewer, from whooping-cough 7 fewer, from diphtheria 8 more, from influenza the same, from cerebro-spinal fever 5 fewer, and from other epidemic diseases 3 fewer.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 211, and equalled a death-rate of 1·0 per thousand. Compared with the number in the previous month these deaths are 25 fewer, while the rate is 0·1 less but is the same as the average.

Deaths from all forms of tuberculosis numbered 163, of which 131 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 3 fewer but those from respiratory tuberculosis 3 more. Compared with the average the former are 2 more and the latter 10 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

AUGUST 1937.

Mean barometric pressure, 30·038 ins.; greater than average* by 0·150 in.

Mean temperature, 59·1 F.; greater by 1·5 F.

Mean daily range of temperature, 14·2 F.; greater by 0·9 F.

Mean daily sunshine, 4·58 hours; greater by 0·10 hour.

Rain, depth in inches, 3·64; less by 0·25 in.

Wind, direction of: an approximately normal distribution but with two days' excess of calms.

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

Anticyclonic conditions prevailed in the opening days of the month and fine, dry and warm weather was enjoyed in all parts of Scotland. A trough of low pressure from the Atlantic moved slowly eastwards across Great Britain on the 5th and 6th, and rain, in moderate amounts, fell in most districts. On the 7th a wedge of high pressure over the southern part of the British Isles brought improved conditions with considerable sunshine, especially in the north and east. A series of depressions which passed across the country on an easterly track between the 12th and the 18th occasioned mainly dull weather with a good deal of intermittent rain. Thunderstorms, in some places of unusual severity, were experienced widely on the 13th. A belt of high pressure stretched across Scotland on the 21st connecting anticyclones off south-west Ireland and over Scandinavia, and fine sunny weather occurred everywhere except in the extreme west. In the last week pressure was generally low to the north-west, while anticyclones passed across the southern half of Great Britain. In Scotland rather unsettled weather occurred, which, however, was relieved by considerable bright periods in most districts. Heavy rain fell on the 31st and was associated with a depression to the north-west of Scotland. In Edinburgh the extremes of pressure were 30·45 inches on the 26th and 29·42 inches on the 16th.

Mean temperatures were everywhere above normal. The greatest excess (2 to 2·5° F.) occurred in the south-western counties. The warmest day was the 1st, when shade maxima exceeding 70° F. were recorded in all districts except the extreme north and west. The highest values reported were 84° F. at Ruthwell, 81° F. at Dumfries and Kilmarnock, and 80° F. at Glenlee (Kirkcudbright) and Achnashellach; 81° F. was also recorded on the 2nd at Kilmarnock. The coldest nights occurred about the middle of the month and on the 27th. The lowest screen temperatures reported were 34° F. at Wolfelee and Logie Coldstone on the 27th, 35° F. at Dalwhinnie on the 16th and at Braemar on the 21st and 27th; 36° F. was registered at Ardtornish on the 15th and 16th, at Balmoral on the 16th, 21st and 27th, and at Glenlee on the 27th. Isolated cases of ground frosts occurred on five nights.

The duration of sunshine was above normal over the greater part of the country, but was deficient in the Outer Hebrides and along the east coast from Aberdeen to Dunbar. The largest aggregates were 174 hours at Ruthwell (an excess of 46 hours over the normal), 167 hours at Forres, 166 hours at Inverness (36 hours over normal) and 165 hours at Law Junction. Less than 120 hours were registered at some places in the west, the lowest aggregates being 108 hours at Benmore (near Dunoon), 115 hours at Onich and 116 hours at Stornoway.

The rainfall was deficient in most areas, but totals in excess of the average occurred at some widely scattered stations. The area of greatest deficiency lay over western Inverness and Ross, where only about half the normal fall was recorded. More than double the normal fell in small areas bordering the Moray Firth and at Montrose; these excesses must be attributed to the severe thunderstorms on the 12th and 13th. Daily falls exceeding an inch occurred in all districts and were particularly numerous between the 12th and 14th. Three falls were outstanding, viz. 3·39 inches at Montrose on the 12th, 3·31 inches at Inverness on the 13th, and 3·13 inches at Nairn also on the 13th.

Fog of coastal type was reported generally in the east of Scotland from the 1st to the 4th and locally on thirteen other days.

Gales occurred locally in the west and north on seven days but were not of any severity.

Thunderstorms were reported at one place or other on eight days. They were particularly widespread on the 13th, when many places experienced storms of exceptional severity.

No reports of aurora were received.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 64.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, AUGUST 1937.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.						
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	REGISTERED			TRANSFERS (Both Sexes.)			Corrected for Transfers (Both Sexes.)
									Both Sexes.	Males.	Females.	Out.	In.		
GLASGOW, . .	1,088,524	1,119,900	1850	931	919	1730	120	804	1166	600	666	181	53	1038	
EDINBURGH, .	439,010	468,500	654	321	333	612	42	455	484	231	253	101	21	404	
DUNDEE, . .	175,681	179,300	293	153	140	272	21	127	198	95	103	19	8	187	
ABERDEEN, . .	169,803	178,800	261	146	115	244	17	153	163	85	78	30	7	140	
PAISLEY, . .	86,445	90,500	141	69	72	137	4	51	81	38	43	15	9	75	
GREENOCK, . .	*79,012	80,900	137	71	66	133	4	43	69	37	32	3	7	73	
MOTHERWELL AND WISHAW, .	64,710	66,800	82	41	41	79	3	29	42	16	26	..	14	56	
CLYDEBANK, .	46,952	48,000	67	35	32	64	3	24	19	11	8	..	26	45	
KIRKCALDY, .	43,374	44,900	44	30	14	44	..	34	51	22	29	3	8	56	
COATBRIDGE, .	43,056	43,700	78	42	36	76	2	16	26	14	12	..	7	33	
KILMARNOCK, .	38,681	40,100	57	33	24	54	3	17	40	22	18	11	7	36	
HAMILTON, . .	37,990	38,500	75	32	43	72	3	19	21	12	9	8	10	28	
AYR,	38,905	40,700	54	24	30	53	1	30	59	28	31	21	2	40	
FALKIRK, . .	36,566	38,200	58	32	26	57	1	29	35	18	17	5	5	35	
DUNFERMLINE, .	35,058	36,500	43	15	28	43	..	26	35	22	13	7	4	32	
PERTH, . . .	35,051	36,000	45	22	23	40	5	45	45	23	22	20	2	27	
TOTAL . . . (SIXTEEN TOWNS)	2,459,318	2,550,700	3939	1997	1942	3710	229	1902	2534	1274	1260	419	190	2305	

* Greenock Burgh boundaries extended 16th May 1937.

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, AUGUST 1937.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tubercu- losis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . .	19.4	6.5	8.5	12.3	10.9	0.3	0.9	0.7	1.1	147	78
EDINBURGH, .	16.4	6.4	11.4	12.2	10.2	0.2	0.7	0.6	1.0	28	45
DUNDEE, . .	19.2	7.2	8.3	13.0	12.3	0.1	1.1	0.6	1.1	20	75
ABERDEEN, . .	17.2	6.5	10.1	10.8	9.2	0.3	0.3	0.3	0.7	16	61
PAISLEY, . .	18.3	2.8	6.6	10.5	9.8	0.1	1.0	0.9	0.4	11	76
GREENOCK, . .	19.9	2.9	6.3	10.0	10.6	0.1	0.9	0.7	0.3	9	63
MOTHERWELL AND WISHAW, .	14.5	3.7	5.1	7.4	9.9	0.7	0.5	0.4	0.7	5	45
CLYDEBANK, .	16.4	4.5	5.9	4.7	11.0	0.5	0.7	0.5	2.2	8	111
KIRKCALDY, .	11.5	0.0	8.9	13.4	14.7	0.0	0.0	0.0	1.0	2	36
COATBRIDGE, .	21.0	2.6	4.3	7.0	8.9	0.0	0.8	0.5	0.3	3	35
KILMARNOCK, .	16.7	5.3	5.0	11.8	10.6	0.3	0.3	0.3	0.6	2	30
HAMILTON, . .	22.9	4.0	5.8	6.4	8.6	0.0	0.3	0.3	0.9	6	78
AYR,	15.6	1.9	8.7	17.1	11.6	0.3	0.9	0.6	1.2	7	117
FALKIRK, . .	17.9	1.7	8.9	10.8	10.8	0.0	0.9	0.6	0.9	3	56
DUNFERMLINE, .	13.9	0.0	8.4	11.3	10.3	0.3	0.0	0.0	0.6	3	63
PERTH, . . .	14.7	11.1	14.7	14.7	8.8	0.3	0.7	0.7	0.7	3	70
TOTAL . . . (SIXTEEN TOWNS)	18.2	5.8	8.8	11.7	10.6	0.2	0.8	0.6	1.0	273	68

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR AUGUST 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
AUG. 1937, .	18·2	5·8	8·8	10·6	1	2	2	14	23	4	3	5	68	59°·1
AUG. 1936, .	17·5	5·2	8·8	10·9	1	8	5	16	9	8	3	8	68	59°·6
AUG. 1935, .	17·6	6·3	7·8	10·4	4	3	3	20	19	3	4	14	54	59°·9
AUG. 1934, .	17·6	6·1	8·0	10·3	1	31	7	13	19	4	8	3	51	57°·6
AUG. 1933, .	17·9	5·8	7·4	10·0	1	1	4	17	10	4	6	7	66	60°·6
AUG. 1932, .	18·6	6·2	7·5	11·0	2	8	7	20	17	7	8	12	79	59°·0
AUG. 1931, .	18·5	6·7	7·3	10·5	1	23	5	18	12	5	9	9	55	55°·7
AUG. 1930, .	19·7	6·0	7·0	10·4	1	9	4	13	8	4	7	19	60	58°·3
AUG. 1929, .	19·5	6·6	6·7	10·8	1	9	1	20	10	12	8	12	61	56°·7
AUG. 1928, .	20·2	6·7	6·7	11·4	1	4	2	42	7	12	9	17	77	57°·5
AUG. 1927, .	20·3	6·1	7·6	11·4	2	45	7	52	20	8	9	13	67	58°·5

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.														
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.			
1	Typhoid Fever (including Paratyphoid) -	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
4	Measles -	2	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	2	-	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough -	14	2	12	10	4	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	23	9	14	9	9	4	1	-	-	-	-	-	-	-	-	-	-	-
8	Influenza -	4	2	2	1	-	-	-	-	-	1	1	1	-	-	-	-	-	-
14 (1)	Cerebro-spinal Fever -	3	1	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	5	5	1	-	-	-	-	-	2	1	-	1	-	-	-	-	-	-
10	Tuberculosis of Respiratory System -	131	65	66	-	2	-	1	35	36	22	17	14	4	-	-	-	-	-
11	Other Tuberculous Diseases -	32	18	14	2	8	3	1	10	2	3	-	3	-	-	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	13	9	4	3	1	-	1	1	-	-	2	4	1	-	-	-	-	-
15	Cancer, Malignant Disease -	328	142	186	-	-	1	-	8	21	53	92	102	45	5	-	-	-	-
18	Diabetes Mellitus -	50	21	29	-	-	-	-	1	-	7	16	22	3	1	-	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	52	23	29	1	-	2	2	9	3	7	8	8	4	-	-	-	-	-
22	Cerebral Hæmorrhage, &c. -	206	102	104	1	-	-	-	-	1	14	36	68	80	6	-	-	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	51	33	18	8	3	4	3	2	2	3	11	9	6	-	-	-	-	-
24	Heart Disease -	461	220	241	-	-	4	3	6	10	19	43	73	159	117	27	-	-	-
25	Other Circulatory Diseases -	54	33	21	-	-	-	-	-	1	1	3	6	21	14	8	-	-	-
26	Bronchitis -	52	30	22	1	-	-	-	-	5	5	5	9	16	10	1	-	-	-
27	Pneumonia (all forms) -	122	76	46	25	18	1	-	2	7	11	17	12	23	5	1	-	-	-
28	Other Respiratory Diseases -	37	15	22	5	2	-	-	1	2	3	4	6	7	5	2	-	-	-
32 (1)	Gastric and Duodenal Ulcer -	22	17	5	-	-	-	-	-	-	3	8	6	4	1	-	-	-	-
29	Diarrhoea, &c. (all ages) -	78	34	44	61	7	-	-	1	2	1	-	2	3	-	1	-	-	-
30	Appendicitis -	15	7	8	-	-	1	1	1	-	2	3	3	1	-	-	-	-	-
31 (1)	Cirrhosis of Liver -	2	1	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
31 (2)	Other Diseases of Liver, &c. -	7	1	6	-	-	-	-	-	-	-	2	1	3	-	1	-	-	-
32 (2)	Other Digestive Diseases -	40	21	19	6	2	-	-	1	3	2	9	4	7	6	-	-	-	-
33	Acute and Chronic Nephritis -	56	28	28	1	-	-	-	2	5	2	9	10	18	7	2	-	-	-
34	Other Dis. of Genito-Urinary System -	37	23	14	1	-	-	-	1	1	7	3	4	11	7	2	-	-	-
35	Puerperal Sepsis -	12	-	12	-	-	-	-	1	8	3	-	-	-	-	-	-	-	-
36	Other Puerperal Causes -	13	-	13	-	-	-	-	1	5	7	-	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	19	15	4	3	2	1	1	1	3	-	1	3	2	2	-	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	140	79	61	138	1	-	-	-	1	-	-	-	7	34	18	-	-	-
39	Old Age -	55	19	36	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
40	Suicide -	16	12	4	-	-	-	-	-	3	5	5	1	2	-	-	-	-	-
42	Other Violence (41) -	106	70	36	3	9	9	8	11	8	7	10	12	14	11	4	-	-	-
43	Causes ill-defined or Unknown -	44	27	17	1	2	-	1	-	-	1	4	16	13	6	-	-	-	-
	ALL CAUSES -	2305	1162	1143	273	74	36	26	89	118	138	240	354	525	358	74	-	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1937.

Interu'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	...	...	1	...	...	...	...
4	Measles	2	1	1	...	...	...	...	...	...
5	Scarlet Fever	2	2	...	...	...	...	...	...	...
6	Whooping-cough	14	6	2	1	3	...	...	2	...
7	Diphtheria	23	14	2	...	...	1	...	1	2
8	Influenza	4	...	2	...	...	...	1	1	...
14 (1)	Cerebro-spinal Fever	3	2	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	5	5	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	131	69	23	9	4	7	5	2	2
11	Other Tuberculous Diseases	32	14	3	7	1	1	1	1	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	13	7	1	4	...	...	...	...	...
15	Cancer, Malignant Disease	328	136	66	29	20	17	16	8	5
18	Diabetes Mellitus	50	23	9	2	3	2	1	2	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	52	23	10	6	...	...	3	3	...
22	Cerebral Hæmorrhage, &c.	206	80	46	18	11	6	7	4	2
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	51	28	3	4	6	1	2	1	1
24	Heart Disease	461	181	97	41	38	8	13	9	8
25	Other Circulatory Diseases	54	17	14	6	7	...	3	1	...
26	Bronchitis	52	23	10	5	4	1	...	4	1
27	Pneumonia (all forms)	122	63	24	7	5	1	2	...	7
28	Other Respiratory Diseases	37	18	7	4	2	1	...	...	1
32 (1)	Gastric and Duodenal Ulcer	22	9	5	1	1	...	1	...	...
29	Diarrhoea, &c. (all Ages)	78	58	4	1	1	3	2	3	3
30	Appendicitis	15	7	4	1	...	...	...	...	...
31 (1)	Cirrhosis of Liver	2	1	...	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	7	1	1	...	...	1	1	1	...
32 (2)	Other Digestive Diseases	40	19	6	1	1	4	2	...	...
33	Acute and Chronic Nephritis	56	30	7	1	5	4	1	2	1
34	Oth. Diseases of Genito-Urinary System	37	16	11	...	1	2	1	1	2
35	Puerperal Sepsis	12	8	...	...	1	...	...	1	...
36	Other Puerperal Causes	13	4	2	1	...	...	...	1	1
37	Dis. of Skin, and of Locomotor System	19	10	5	...	1	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	140	62	16	16	8	7	5	2	4
39	Old Age	55	19	6	7	4	...	2	3	1
40	Suicide	16	4	1	5	2	1	...	1	...
42	Other Violence (41)	106	50	14	9	8	2	4	1	2
43	Causes Ill-defined or Unknown	44	28	2	1	2	4	...	1	...
	All Causes	2305	1038	404	187	140	75	73	56	45
	AGE AT DEATH.									
	Under 1	273	147	28	20	16	11	9	5	8
	1-4	74	38	10	6	1	1	3	4	2
	5-9	36	23	3	1	1	...	1	1	2
	10-14	26	15	4	2	2	1	2	...	...
	15-24	89	52	12	7	2	5	4	1	1
	25-34	118	55	18	6	8	2	3	4	3
	35-44	138	64	19	15	10	6	6	2	3
	45-54	240	125	38	19	12	5	8	9	4
	55-64	354	155	62	25	21	17	7	7	6
	65-74	525	217	109	42	35	12	18	13	8
	75-84	358	119	87	33	25	15	9	9	8
	85 and over	74	28	14	11	7	...	3	1	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2305	1038	404	187	140	75	73	56	45

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	...	...	...	1	...	1	1
8	Influenza ... ..	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	1	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	...	2	1	1	2	2	...	2
11	Other Tuberculous Diseases ... ..	...	1	...	...	1	1	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	1	...	...	...	...	...
15	Cancer, Malignant Disease	6	1	4	4	3	4	5	4
18	Diabetes Mellitus	1	1	1	...	3	...	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	3	1	1	...	1	1	...	...
22	Cerebral Hæmorrhage, &c.	6	4	5	2	5	2	5	3
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	...	1	1	...	2	...
24	Heart Disease	22	4	12	6	5	7	3	7
25	Other Circulatory Diseases	1	...	1	1	2	...	...	1
26	Bronchitis	1	...	1	1	...	...	...	1
27	Pneumonia (all forms)	2	1	1	2	2	2	2	1
28	Other Respiratory Diseases	1	...	...	...	2	1	...	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	2	...	1	...	1	1	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	2	1	...	...	...
30	Appendicitis ... ..	...	...	...	...	1	1	1	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	1	...	...	...	...	...	1	...
32 (2)	Other Digestive Diseases ... ..	...	2	...	...	1	1	2	1
33	Acute and Chronic Nephritis	1	2	...	...	...	...	1	1
34	Oth. Diseases of Genito-Urinary System	...	1	...	...	1	...	...	1
35	Puerperal Sepsis ... ..	...	2	...	...	...	...	...	...
36	Other Puerperal Causes	1	1	...	...	1	...	...	1
37	Dis. of Skin, and of Locomotor System	1	...	...	1	...	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	3	2	1	4	5	2	2	1
39	Old Age	5	2	2	...	...	3	1	...
40	Suicide ... ..	...	...	1	...	1	...	...	...
42	Other Violence (41)	1	2	3	1	...	6	2	1
43	Causes Ill-defined or Unknown ... ..	...	1	...	1	1	1	2	...
	All Causes	56	33	36	28	40	35	32	27
	AGE AT DEATH.								
	Under 1	2	3	2	6	7	3	3	3
	1-4 ... ..	...	3	1	2	2	...	...	1
	5-9 ... ..	...	...	...	...	...	2	2	...
	10-14 ... ..	...	...	...	...	...	...	...	...
	15-24	1	1	1	1	...	1	...	...
	25-34	3	6	1	1	3	...	2	3
	35-44	3	1	...	1	2	2	3	1
	45-54 ... ..	...	2	2	4	5	4	2	1
	55-64	11	6	9	6	9	4	5	4
	65-74	19	7	8	5	6	8	11	7
	75-84	12	4	11	1	6	9	4	6
	85 and over	5	...	1	1	...	2	...	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	56	33	36	28	40	35	32	27

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of August 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL†	AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.	
			Mean of	Difference from Average.		Mean of	Mean of		Humidity.	Total Fall.	Number of Days.	Difference from Average.	Hours per Day.	Per Cent. of Possible.
				Maximum. Day of Month.	Minimum. Day of Month.		Dry Bulb. ° F.	Depression of Wet Bulb. ° F.						
GLASGOW, J. R. CURRIE, Professor M.D., The University.	85	Mb. 1017.4 inches. 30.043	° F. 53.8 66.7	° F. 60.3 +2.2	° F. 77 1st	° F. 46 27th	° F. 59.3 57.3	° F. 3.4 2.5	Mb. 14.1 13.4	inch. 3.26 4.13	13 16	inch. -0.63 +0.92	4.51 4.87	30 32
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	1017.3 30.040	65.2 52.2	58.7 +1.6	74 3rd	45 27th	57.3	2.5	13.4	4.13	16	+0.32	4.87	32
DUNDEE, College Gardens.	147	1017.1 30.036	66.4 51.9	59.1 +1.5	73 12th	44 27th	60.2	3.5	14.0	3.25	13	-0.13	4.35	29
ABERDEEN, The Meteorological Office.	79	1016.7 30.023	62.0 51.3	56.7 +0.5	71 28th	43 27th	56.9	2.7	13.1	2.71	12	-0.03	4.03	27
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1017.1 30.036	68.0 53.5	60.7 +2.2	79 1, 3 45	27th	59.4	2.5	14.5	3.52	13	-0.03	4.55	30
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1017.5 30.047	65.8 53.6	59.7 +2.2	77 1st	47 15th	53.0	2.5	13.9	3.69	16	-1.75	4.59	31
KIRKCALDY, The Medical Officer of Health.	137	..	66.1 49.8	57.9 -0.2	73 6th	44 27th	59.1	2.2	14.8	5.58	13	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	67.6 51.2	59.4 +1.5	81 1, 2 40	15, 27 16th	60.3	2.6	15.5	3.34	15	-0.53	5.21	35
AYR, The Medical Officer of Health.	43	..	65.9 52.7	59.3 ..	74 2nd	48 16th	58.6	1.9	15.1	2.41	13	..	4.73	32
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	66.1 51.5	58.3 ..	75 3rd	42 16, 27 27th	59.7	2.9	14.6	4.19	17	..	4.39	29
PERTH, J. RITCHIE, The Museum.	76	1017.4 30.043	67.9 51.0	59.5 +1.5	77 3rd	38 27th	56.7	0.5	15.4	3.94	12	+0.57	4.43	30
Means	153	1017.2 30.038	66.2 52.0	59.1 +1.5	..	..	58.8	2.5	14.4	3.64	14	-0.25	4.53	31

North Latitude.—Glasgow, 55° 52'; Edinburg, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'. Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburg, 3° 11'; Dundee, 2° 53'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 40'; Perth, 3° 27'. Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9th. and 21th. at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.
† Barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29.531 mercury inches) and inches.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

SEPTEMBER 1937.

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REPORT

During the month of September 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,628 living children, of whom 1,910 were males and 1,718 were females. Compared with the number in the previous month, male births are 87 fewer, female births 224 fewer and those of children of both sexes 311 fewer. The monthly birth-rate in these towns taken collectively was 17·3 per thousand. This rate is 0·9 less than that for the previous month but is 0·5 above the average.

In the individual towns the monthly birth-rate ranged from 21·8 in Hamilton, 21·5 in Greenock and 21·4 in Coatbridge, to 13·5 in Kirkcaldy, 13·5 in Ayr, 14·3 in Dunfermline and 14·7 in Clydebank. In Kilmarnock it was 21·0, in Glasgow 18·2, in Perth 17·3, in Paisley 17·2, in Motherwell and Wishaw 17·1, in Aberdeen 16·7, in Edinburgh 15·8, in Falkirk 15·6 and in Dundee 14·8.

Of the 3,628 living children whose births were registered during the month, 3,426 or 94·4 per cent. were legitimate, while 202 or 5·6 per cent. were illegitimate. The legitimate children numbered 284 fewer than in the previous month and the illegitimate children 27 fewer. The illegitimate rate for the month is 0·2 below that for the previous month. In the individual towns it ranged from 9·8 in Perth, 8·7 in Hamilton and 7·8 in Dundee, to 0 in Dunfermline, 1·7 in Clydebank and 2·0 in Kirkcaldy. In Glasgow the rate was 5·3 and in Edinburgh 6·9.

Marriages registered during the month numbered 2,212 and are 310 more than in the previous month. The marriage-rate, 10·6 per thousand, is 1·8 above that for the previous month and 0·2 above the average. In the individual towns it ranged from 12·6 in Ayr, 12·5 in Edinburgh and 12·2 in Clydebank, to 5·3 in Dunfermline, 5·7 in Kirkcaldy and 6·6 in Motherwell and Wishaw. In Glasgow the rate was 11·5. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths registered in these towns during the month numbered 2,586 and are 52 more than in the previous month. Deducting deaths of persons with usual

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

EDINBURGH

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residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,358, of whom 1,202 were males and 1,156 were females. The corrected number is 53 more than in the previous month, males being 40 more and females 13 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 11·2 per thousand, being 0·6 above that for the previous month and 0·5 above the average. In the towns taken individually the death-rate ranged from 12·5 in Greenock, 12·1 in Dundee and 12·1 in Paisley, to 7·0 in Falkirk, 7·7 in Dunfermline and 8·1 in Coatbridge. In Glasgow, in Aberdeen and in Clydebank it was 11·7, in Edinburgh 11·0, in Ayr 10·8, in Kilmarnock 10·0, in Hamilton 9·8, in Perth 9·5, in Kirkcaldy 9·2 and in Motherwell and Wishaw 9·1.

Deaths of children of less than one year old numbered 264, and equalled an infantile mortality rate of 68 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 9 fewer than in the previous month, while the rate is the same as in that month but 1 above the average. In the individual towns this rate ranged from 135 in Greenock, 87 in Paisley and 86 in Glasgow, to 0 in Ayr, 15 in Kilmarnock and 19 in Dundee, in Kirkcaldy and in Falkirk. In Coatbridge it was 84, in Dunfermline 64, in Clydebank 58, in Edinburgh 53, in Hamilton 53, in Aberdeen 51, in Motherwell and Wishaw 37 and in Perth 23.

Deaths from the principal epidemic diseases numbered 54 and equalled a death-rate of 0·3 per thousand. These deaths are the same as in the previous month but the rate is 0·1 more. They include none from typhoid fever, none from measles, 7 from scarlet fever, 14 from whooping-cough, 17 from diphtheria, 5 from influenza, 3 from cerebro-spinal fever, and 8 from other epidemic diseases, 5 of which were ascribed to lethargic encephalitis, 2 to erysipelas and 1 to dysentery. Compared with the number in the previous month deaths from typhoid fever are 1 fewer, from measles 2 fewer, from scarlet fever 5 more, from whooping-cough the same, from diphtheria 6 fewer, from influenza 1 more, from cerebro-spinal fever the same, and from other epidemic diseases 3 more.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 238, and equalled a death-rate of 1·1 per thousand. Compared with the number in the previous month these deaths are 27 more, while the rate is 0·1 more but is the same as the average.

Deaths from all forms of tuberculosis numbered 155, of which 119 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 8 fewer and those from respiratory tuberculosis 12 fewer. Compared with the average the former are 3 more and the latter 4 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

SEPTEMBER 1937.

Mean barometric pressure, 29·820 ins. ; less than average* by 0·157 in.

Mean temperature, 54·0° F. ; greater by 0·4° F.

Mean daily range of temperature, 13·1° F. ; less by 0·1° F.

Mean daily sunshine, 4·56 hours; greater by 0·51 hour.

Rain, depth in inches, 2·12 ; less by 0·40 in.

Wind, direction of : two days' excess of south and south-west winds.

In the first week of the month pressure was relatively high over the southern part of Great Britain, while depressions following a north-easterly track passed to

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

the north of Scotland. Dull, showery weather persisted in all Scottish districts. Severe gales occurred from the 5th to the 8th, especially in the extreme north and west. Wind gusts up to 63 miles per hour were recorded at Stornoway on the 6th and 58 miles per hour at Kirkwall on the 7th and 8th. At Edinburgh a gust of 58 m.p.h. was registered in the early morning of the 5th. With an anticyclone spreading from the west a short spell of fair or fine but rather cool weather set in. Depressions crossing the British Isles about the middle of the month caused unsettled conditions in most areas, but there were considerable bright periods in Scotland. A continuance of mainly cloudy weather was relieved by an appreciable rise in temperature on the 22nd, which persisted to the end of the month. The winds reached gale force in the north on the 23rd, 24th and 29th. Heavy rain fell in the west on the last day of the month. In Edinburgh the extremes of pressure were 30·33 inches on the 11th and 29·09 inches on the 15th.

Mean temperatures differed little from the normal but in most places there was a slight excess. Fairly high maxima were recorded in northern districts during the first week, but the warmest day generally was the 27th, when 71° F. was registered at Edinburgh and Dunbar and 70° F. at Dundee, Kelso, Auchencruive and Abbotsinch; 70° F. was also recorded at Logie Coldstone on the 22nd. The coldest nights were the 16th and 18th, when slight frosts occurred at some high level stations. The lowest screen temperatures reported were 27° F. at Dalwhinnie on the 18th and 28° F. at Braemar, Logie Coldstone and Balmoral on the 16th. Ground frosts were fairly widespread on the 11th, 16th and 18th, and occurred locally on 9 other days. A ground temperature of 20° F. was recorded at Dalwhinnie on the 18th, 24° F. at Auchencruive on the 11th, and 25° F. at Balmoral and Peebles on the 16th.

The duration of sunshine was slightly in excess of the normal in most districts, but deficiencies occurred in south-east Scotland, some western districts and at Lerwick. At the latter place the aggregate of 90 hours was 19 hours less than the September normal. More than 150 hours' sunshine were registered at most places along the east coast, the largest aggregates being 167 hours at Montrose, 164 hours at Stonehaven, 163 hours at Arbroath and 162 hours at Craibstone. The lowest aggregates were 81 hours at Peebles, 82 hours at Onich and 83 hours at Fort William.

Rainfall was below average over the whole of eastern Scotland and in the south-west counties, but exceeded the average elsewhere. At some inland stations in Aberdeenshire less than half the normal rainfall was recorded. In the relatively wet areas the excess was not generally large, but Inveraray with 9·45 inches exceeded its normal fall by 47 per cent. Daily falls exceeding an inch occurred at many places in the west on the 3rd, 4th and 29th, but the wettest day of the month was the 30th, when heavy rain fell over a wide area. The heaviest falls reported on this day were 2·32 inches at Inveraray, 2·03 inches at Fort William and 1·98 inches at Arrochar. At Kingairloch there were 6 days in the month with more than an inch of rain and at Kinlochquoich 5 days. Hail was reported at Baltasound on the 8th and at Paisley, Helensburgh and West Linton on the 19th, when it was accompanied by thunder.

Fog occurred locally, and mainly at coastal stations, on 9 days between the 13th and 27th.

Gales were reported on 13 days, and were fairly widespread from the 3rd to the 8th and on the 23rd and 24th. Stornoway had winds of gale force on 9 days, Lerwick on 6 days and Kirkwall and Duntulm (Skye) on 5 days.

Thunder was reported on the 7th, 16th, 17th, 19th and 23rd. Only on the 19th was the phenomena widespread.

Aurora was observed at one place or other on 8 nights. A brilliant display was seen in Skye on the evening of the 30th. It was seen at many places in south and south-west Scotland on the 10th and 11th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 72.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, SEPTEMBER 1937.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	REGISTERED			TRANSFERS (Both Sexes.)		Corrected for transfers for (Both Sexes.)
									Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . . .	1,088,524	1,119,900	1679	894	785	1590	89	1060	1205	638	567	163	39	1081
EDINBURGH, . .	439,019	468,500	610	310	300	568	42	483	486	249	237	88	24	422
DUNDEE, . . .	175,681	179,300	218	114	104	201	17	102	184	86	98	18	12	178
ABERDEEN, . . .	169,803	178,300	245	131	114	230	15	139	199	100	99	34	7	172
PAISLEY, . . .	86,445	90,500	128	64	64	122	6	58	91	46	45	12	11	90
GREENOCK, . . .	79,012	80,900	143	73	70	137	6	51	83	51	32	4	4	83
MOTHERWELL AND WISHAW, . .	64,710	66,800	94	47	47	91	3	36	41	20	21	...	9	50
CLYDEBANK, . .	46,952	48,000	58	34	24	57	1	48	23	10	13	1	24	46
KIRKCALDY, . .	43,874	44,900	50	33	17	49	1	21	30	18	12	4	8	34
COATBRIDGE, . .	43,056	43,700	77	37	40	72	5	32	20	14	6	2	11	29
KILMARNOCK, . .	38,681	40,100	69	36	33	66	3	29	36	23	13	8	5	33
HAMILTON, . . .	37,990	38,500	69	38	31	63	6	26	25	11	14	1	7	31
AYR,	38,905	40,700	45	28	17	44	1	42	53	28	25	21	4	36
FALKIRK,	36,566	38,200	49	26	23	47	2	38	33	17	16	12	1	22
DUNFERMLINE, . .	35,058	36,500	43	18	25	43	..	16	31	18	18	10	2	23
PERTH,	35,051	36,000	51	27	24	46	5	31	46	24	22	19	1	28
TOTAL (SIXTEEN TOWNS)	2,459,318	2,550,700	3628	1910	1718	3426	202	2212	2586	1348	1238	397	169	2358

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, SEPTEMBER 1937.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tubercu- losis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	19.2	5.3	11.5	13.1	11.7	0.3	0.9	0.8	1.4	157	86
EDINBURGH, . .	15.8	6.9	12.5	12.6	11.0	0.1	0.7	0.5	1.2	32	53
DUNDEE, . . .	14.8	7.8	6.9	12.5	12.1	0.2	0.6	0.4	1.3	5	19
ABERDEEN, . . .	16.7	6.1	9.5	13.6	11.7	0.3	0.8	0.5	0.8	13	51
PAISLEY, . . .	17.2	4.7	7.8	12.2	12.1	0.3	0.4	0.1	0.9	12	87
GREENOCK, . . .	21.5	4.2	7.7	12.5	12.5	0.8	0.6	0.6	0.8	19	135
MOTHERWELL AND WISHAW, . .	17.1	3.2	6.6	7.5	9.1	0.2	0.9	0.7	0.5	4	37
CLYDEBANK, . .	14.7	1.7	12.2	5.8	11.7	..	0.5	0.3	1.0	4	58
KIRKCALDY, . .	13.5	2.0	5.7	8.1	9.2	..	0.3	0.3	0.8	1	19
COATBRIDGE, . .	21.4	6.5	8.9	5.6	8.1	0.3	0.6	..	1.1	7	84
KILMARNOCK, . .	21.0	4.3	8.8	10.9	10.0	0.3	..	..	0.3	1	15
HAMILTON, . . .	21.8	8.7	8.2	7.9	9.8	0.3	0.6	0.3	0.9	4	58
AYR,	13.5	2.2	12.6	15.9	10.8	0.3	0.3	0.3	..	..	..
FALKIRK,	15.6	4.1	12.1	10.5	7.0	..	0.8	0.3	0.3	1	19
DUNFERMLINE, . .	14.8	..	5.3	10.3	7.7	..	..	..	0.3	3	64
PERTH,	17.3	9.8	10.5	15.6	9.5	0.3	0.7	0.7	0.7	1	23
TOTAL (SIXTEEN TOWNS)	17.3	5.6	10.6	12.3	11.2	0.3	0.7	0.6	1.1	264	68

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR SEPTEMBER 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
SEPT. 1937. .	17.3	5.6	10.6	11.2	0	0	7	14	17	5	3	8	68	54° 0
SEPT. 1936. .	17.0	5.8	10.8	11.2	1	6	3	13	11	7	10	6	77	55° 9
SEPT. 1935. .	16.2	6.2	10.4	10.6	3	3	2	12	18	12	2	12	56	53° 9
SEPT. 1934. .	16.7	6.4	10.7	10.2	2	10	7	13	15	8	3	9	60	55° 4
SEPT. 1933. .	16.0	6.6	10.3	10.7	0	0	10	10	16	8	5	13	76	56° 6
SEPT. 1932. .	17.9	5.9	9.9	10.8	3	1	13	14	9	15	10	7	66	53° 3
SEPT. 1931. .	18.9	6.0	9.5	11.2	6	34	4	7	11	20	12	9	64	52° 2
SEPT. 1930. .	19.2	7.0	10.2	11.1	2	5	3	16	24	17	14	21	66	54° 5
SEPT. 1929. .	18.2	6.7	9.4	10.6	2	2	1	15	14	9	11	17	71	56° 3
SEPT. 1928. .	18.5	6.8	9.2	11.2	1	1	3	31	19	16	9	19	81	52° 8
SEPT. 1927. .	20.0	6.9	8.9	11.9	3	18	5	34	22	10	4	14	81	52° 1

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.	
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	7	3	4	-	5	-	-	-	1	1	-	-	-	-	-	
6	Whooping-cough -	14	5	9	7	6	-	-	-	1	-	-	-	-	-	-	
7	Diphtheria -	17	9	8	1	9	5	1	-	1	-	-	-	-	-	-	
8	Influenza -	5	3	2	-	1	-	-	-	-	1	1	1	1	-	-	
14 (1)	Cerebro-spinal Fever -	3	2	1	-	1	-	-	-	1	-	-	-	-	-	-	
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	8	5	3	2	-	-	-	-	-	2	1	3	-	-	-	
10	Tuberculosis of Respiratory System -	119	67	52	-	1	1	3	28	31	26	13	11	4	1	-	
11	Other Tuberculous Diseases -	36	17	19	2	9	7	1	6	4	3	2	1	-	1	-	
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	9	5	4	2	1	-	-	-	1	-	2	1	2	-	-	
15	Cancer, Malignant Disease -	323	157	166	-	-	-	-	-	5	18	49	83	102	57	9	
18	Diabetes Mellitus -	36	9	27	-	-	-	1	-	2	2	6	9	14	2	-	
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	57	29	28	4	1	2	2	4	4	5	5	11	8	11	-	
22	Cerebral Hæmorrhage, &c. -	211	101	110	-	-	-	1	1	-	-	3	10	50	79	58	
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	48	28	20	8	1	1	-	4	4	6	2	10	8	4	-	
24	Heart Disease -	509	244	265	-	1	1	1	4	13	22	50	100	154	182	37	
25	Other Circulatory Diseases -	50	29	21	-	-	-	-	-	-	1	5	8	13	17	6	
26	Bronchitis -	70	42	28	2	2	-	-	-	-	1	4	5	11	24	19	
27	Pneumonia (all forms) -	146	89	57	25	23	3	1	4	8	14	15	18	16	15	4	
28	Other Respiratory Diseases -	22	9	13	1	1	1	-	-	3	-	-	6	4	5	1	
32 (1)	Gastric and Duodenal Ulcer -	22	18	4	-	-	-	-	-	1	5	4	2	7	3	-	
29	Diarrhoea, &c. (all ages) -	98	62	36	75	11	-	-	-	1	1	-	6	1	2	1	
30	Appendicitis -	13	7	6	-	1	-	-	-	7	3	2	-	-	-	-	
31 (1)	Cirrhosis of Liver -	6	3	3	-	-	-	-	-	-	-	1	-	2	3	-	
31 (2)	Other Diseases of Liver, &c. -	23	3	20	-	-	-	-	-	1	1	1	4	3	9	4	
32 (2)	Other Digestive Diseases -	39	17	22	3	2	2	-	-	2	1	2	2	11	9	4	
33	Acute and Chronic Nephritis -	84	41	43	-	1	1	-	-	3	6	7	12	28	15	10	
34	Other Dis. of Genito-Urinary System -	29	24	5	-	-	-	-	-	2	-	-	4	4	11	5	
35	Puerperal Sepsis -	10	-	10	-	-	-	-	-	2	3	5	-	-	-	-	
36	Other Puerperal Causes -	13	-	13	-	-	-	-	-	4	5	4	-	-	-	-	
37	Diseases of Skin and Locomotor System -	25	16	9	5	1	1	-	1	2	3	4	3	4	1	-	
38	Congen. Debil., Prem. Birth, Malform., &c. -	123	64	59	121	2	-	-	-	-	-	-	-	-	-	-	
39	Old Age -	50	14	36	-	-	-	-	-	-	-	-	1	5	32	12	
40	Suicide -	21	13	8	-	-	-	-	-	1	1	7	4	4	3	1	
42	Other Violence (41) -	78	49	29	3	12	9	5	5	2	7	9	5	13	5	3	
43	Causes Ill-defined or Unknown -	34	18	16	2	-	-	-	-	1	2	2	3	6	15	3	
	ALL CAUSES -	2358	1202	1156	264	91	36	16	81	112	153	210	403	520	389	83	

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	7	2	2	1	...	...	...	...	...
6	Whooping-cough	14	4	1	1	5	...	2	1	...
7	Diphtheria	17	13	1	...	...	...	...	...	...
8	Influenza	5	2	1	1	...	1	...	...	...
14 (1)	Cerebro-spinal Fever	3	2	...	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	8	5	...	...	...	...	3	...	...
10	Tuberculosis of Respiratory System ...	119	71	18	6	8	1	4	4	1
11	Other Tuberculous Diseases	36	15	8	3	3	2	...	1	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	9	5	4	...	...	...	...	...	...
15	Cancer, Malignant Disease	323	133	66	27	24	18	7	12	7
18	Diabetes Mellitus	36	18	4	5	2	1	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	57	31	6	4	...	3	2	2	1
22	Cerebral Hæmorrhage, &c.	211	72	46	17	20	9	8	4	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	48	16	11	5	3	1	1	1	1
24	Heart Disease	509	223	91	46	48	19	12	12	10
25	Other Circulatory Diseases	50	17	11	2	5	4	2	1	2
26	Bronchitis	70	39	17	4	...	2	2	2	...
27	Pneumonia (all forms)	146	76	27	13	11	5	3	1	4
28	Other Respiratory Diseases	22	10	4	2	1	...	...	...	...
32 (1)	Gastric and Duodenal Ulcer	22	10	4	...	4	...	...	...	1
29	Diarrhoea, &c. (all Ages)	98	59	9	1	1	3	13	2	3
30	Appendicitis	13	8	1	...	1	1	1	...	...
31 (1)	Cirrhosis of Liver	6	3	1	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	23	10	6	1	3	1	1	...	...
32 (2)	Other Digestive Diseases	39	19	7	4	...	1	1	...	...
33	Acute and Chronic Nephritis	84	36	19	6	7	2	1	2	1
34	Oth. Diseases of Genito-Urinary System	29	8	8	1	3	...	2	...	2
35	Puerperal Sepsis	10	4	2	1	2	...	...	...	1
36	Other Puerperal Causes	13	6	...	4	...	...	1	...	...
37	Dis. of Skin, and of Locomotor System	25	12	3	5	3	...	2	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	123	67	19	3	7	8	6	1	2
39	Old Age	50	20	8	5	2	3	1	...	1
40	Suicide	21	9	5	2	1	...	...	1	...
42	Other Violence (41)	78	33	12	7	5	3	7	3	1
43	Causes Ill-defined or Unknown	34	23	...	1	2	1	1	...	...
	All Causes	2358	1081	422	178	172	90	83	50	46
	AGE AT DEATH.									
	Under 1	264	157	32	5	13	12	19	4	4
	1- 4	91	40	16	5	6	4	7	3	2
	5- 9	36	21	6	3	...	2	1	...	...
	10-14	16	8	3	1	...	...	2	1	...
	15-24	81	50	8	5	5	1	2	1	...
	25-34	112	48	26	11	8	3	2	4	1
	35-44	153	81	15	14	7	5	6	3	5
	45-54	210	103	27	21	10	14	4	6	4
	55-64	403	179	71	32	29	14	17	7	12
	65-74	520	222	112	43	42	18	12	11	8
	75-84	389	140	87	34	41	12	11	10	9
	85 and over	83	32	19	4	11	5	...	...	1
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2358	1081	422	178	172	90	83	50	46

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	1	...	...	1
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	1	1	1	...	...	...	...
8	Influenza ... ..	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	...	...	1	1	1	...	2
11	Other Tuberculous Diseases ... ..	...	2	...	1	...	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	7	3	3	3	3	5	1	4
18	Diabetes Mellitus	1	1	1	1	1	...	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	1	...	2	1	2	1	...
22	Cerebral Hæmorrhage, &c.	7	2	5	...	3	2	3	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	3	1	2	...	2	...
24	Heart Disease	6	4	9	6	8	5	7	3
25	Other Circulatory Diseases ... ..	...	1	1	...	3	...	...	1
26	Bronchitis	1	2	1	...	...	...	...	...
27	Pneumonia (all forms)	1	1	...	2	...	1	1	...
28	Other Respiratory Diseases	1	1	...	1	...	...	...	2
32 (1)	Gastric and Duodenal Ulcer	1	1	...	...	...	...	...	1
29	Diarrhoea, &c. (all Ages)	1	...	3	2	1	...	...	...
30	Appendicitis ... ..	...	...	...	1	...	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	1	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	2	1	1	1	1	1	...
33	Acute and Chronic Nephritis ... ..	...	...	2	1	3	1	2	1
34	Oth. Diseases of Genito-Urinary System	1	1	...	1	...	1	...	1
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	1	...	1	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c. ... ..	...	4	1	1	...	1	3	...
39	Old Age	1	...	2	1	3	...	...	3
40	Suicide	1	1	...	1	...	...	...	...
42	Other Violence (41)	1	...	...	...	2	1	1	2
43	Causes Ill-defined or Unknown	2	...	...	1	2	...	...	1
	All Causes	34	29	33	31	36	22	23	28
	AGE AT DEATH.								
	Under 1	1	7	1	4	...	1	3	1
	1-4 ... ..	...	...	2	2	3	...	...	1
	5-9 ... ..	...	1	...	1	...	...	...	1
	10-14 ... ..	...	...	...	...	1	...	...	...
	15-24 ... ..	...	1	2	4	2	...	...	...
	25-34	1	...	1	1	1	1	2	2
	35-44	3	1	1	1	3	4	2	2
	45-54	3	7	3	1	3	3	...	1
	55-64	8	4	7	2	5	6	5	5
	65-74	11	3	8	8	6	4	7	5
	75-84	6	5	5	7	8	3	4	7
	85 and over	1	...	3	...	4	...	...	3
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	34	29	33	31	36	22	23	28

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of SEPTEMBER 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.						HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.		
			Mean of		Difference from Average.	Absolute Maximum and Minimum.		Mean of	Depression of Wet Bulb.	Vapour Pressure.	Humidity. %	Number of Days.	Total Fall.	Difference from Average.	Hours per Day.		
			Maximum (A.)	Minimum (B.)		Day of Month.	Maximum.								Day of Month.	Daily Mean.	Difference from Average.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	85	Mb. 1009.7 inches. 29.816	° F. 60.3	° F. 47.0	° F. 53.7	° F. +0.7	° F. 70	27th	° F. 35	17.21	inch. 2.03	19	inch. 4.23	+0.30	33		
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	1010.2	59.9	48.2	54.1	+0.7	70	27th	40	16th	1.64	16	4.31	-0.08	34		
DUNDEE, College Gardens.	147	1009.2	59.803	48.7	54.3	+1.0	70	27th	36	26th	1.14	12	5.03	+0.94	39		
ABERDEEN, The Meteorological Office.	79	1005.7	59.4	47.6	53.5	+1.0	66	1st	37	16th	1.53	11	5.33	+1.12	42		
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1010.1	59.830	48.3	54.5	+0.2	69	27th	39	17th	3.00	19	4.26	+0.30	34		
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1010.3	59.5	49.0	54.3	+0.6	67	27th	42	11th	4.48	17	4.09	..	32		
KIRKCALDY, The Medical Office of Health.	137	..	60.9	46.3	53.6	-0.9	67	1.27, 30	38	26th	1.47	15	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	60.8	46.7	53.7	0.0	67	27th	33	11th	2.55	18	4.57	+0.54	36		
AYR, The Medical Office of Health.	43	..	60.8	(49.1)	54.9	..	66	1st	39	14th	1.76	13	4.88	..	38		
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	60.5	47.6	54.1	..	69	27th	39	26th	1.26	18	4.35	..	33		
PERTH, J. RITCHIE, The Museum.	76	1010.1	59.830	45.5	53.8	+0.5	69	27th	33	16.21	1.22	13	4.75	+0.43	37		
Means	153	1009.8	59.820	47.3	54.0	+0.4	..	..	..	..	2.12	16	4.56	+0.51	36
North Latitude.—Glasgow, 56° 53'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 54'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 2° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.																	

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.
† Barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars—29.531 mercury inches) and inches.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

OCTOBER 1937.

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REPORT

During the month of October 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,647 living children, of whom 1,890 were males and 1,757 were females. Compared with the number in the previous month, male births are 20 fewer, female births 39 more and those of children of both sexes 19 more. The monthly birth-rate in these towns taken collectively was 16·8 per thousand. This rate is 0·5 less than that for the previous month and is 0·9 below the average.

In the individual towns the monthly birth-rate ranged from 22·2 in Coatbridge, 19·5 in Greenock and 19·4 in Clydebank, to 12·8 in Perth, 13·4 in Kirkcaldy and 13·9 in Edinburgh. In Hamilton the rate was 18·9, in Ayr 18·8, in Paisley 18·7, in Glasgow 18·2, in Motherwell and Wishaw 18·2, in Falkirk 17·5, in Dunfermline 16·8, in Kilmarnock 15·3, in Aberdeen 14·6 and in Dundee 14·4.

Of the 3,647 living children whose births were registered during the month, 3,431 or 94·1 per cent. were legitimate, while 216 or 5·9 per cent. were illegitimate. The legitimate children numbered 5 more than in the previous month and the illegitimate children 14 more. The illegitimate rate for the month is 0·3 above that for the previous month. In the individual towns it ranged from 12·8 in Perth, 7·8 in Kirkcaldy and 7·7 in Ayr, to 1·2 in Coatbridge, 1·9 in Dunfermline and 2·5 in Clydebank. In Glasgow it was 6·5 and in Edinburgh 6·3.

Marriages registered during the month numbered 1,576 and are 636 fewer than in the previous month. The marriage rate, 7·3 per thousand, is 3·3 below that for the previous month and 0·9 below the average. In the individual towns it ranged from 11·0 in Ayr, 9·7 in Kirkcaldy, 9·5 in Hamilton and 9·5 in Perth, to 3·2 in Clydebank, 3·2 in Coatbridge, 4·9 in Motherwell and Wishaw and 5·3 in Paisley. In Glasgow the rate was 6·9 and in Edinburgh 7·9. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths registered in these towns during the month numbered 2,746 and are 160 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,456, of whom 1,248 were males and 1,208 were females. The corrected number is 98 more than in the previous month, males being 46 more and females 52 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 11·3 per thousand, being 0·1 above that for the previous month but 0·6 below the average. In the towns taken individually the death-rate ranged from 13·5 in Dunfermline, 13·1 in Hamilton and 12·4 in Greenock, to 8·6 in Motherwell and Wishaw, 8·8 in Coatbridge and 9·3 in Clydebank. In Edinburgh the rate was 12·0, in Glasgow 11·7, in Ayr 11·3, in Kilmarnock 11·2, in Dundee 10·6, in Aberdeen 10·5, in Perth 10·5, in Paisley 10·3, in Falkirk 9·5 and in Kirkcaldy 9·4.

Deaths of children of less than one year old numbered 294, and equalled an infantile mortality rate of 73 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 30 more than in the previous month, while the rate is 5 more than in that month but 7 below the average. In the individual towns this rate ranged from 91 in Kilmarnock, 90 in Paisley and 85 in Ayr, to 39 in Hamilton, 45 in Dundee and 56 in Falkirk. In Glasgow it was 83, in Greenock 82, in Dunfermline 82, in Kirkcaldy 71, in Coatbridge 70, in Clydebank 68, in Perth 68, in Motherwell and Wishaw 64, in Edinburgh 63 and in Aberdeen 58.

Deaths from the principal epidemic diseases numbered 70 and equalled a death-rate of 0·3 per thousand. These deaths are 16 more than in the previous month but the rate is the same. They include none from typhoid fever, 3 from measles, 3 from scarlet fever, 3 from whooping-cough, 22 from diphtheria, 19 from influenza, 4 from cerebro-spinal fever, and 16 from other epidemic diseases, 8 of which were ascribed to dysentery, 6 to lethargic encephalitis, 1 to erysipelas and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from measles are 3 more, from scarlet fever 4 fewer, from whooping-cough 11 fewer, from diphtheria 5 more, from influenza 14 more, from cerebro-spinal fever 1 more, and from other epidemic diseases 8 more.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 290, and equalled a death-rate of 1·3 per thousand. Compared with the number in the previous month these deaths are 52 more, while the rate is 0·2 more but is 0·2 below the average.

Deaths from all forms of tuberculosis numbered 150, of which 116 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 5 fewer and those from respiratory tuberculosis 3 fewer. Compared with the average the former are 3 fewer but the latter 1 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

OCTOBER 1937.

Mean barometric pressure, 29·972 ins. ; greater than average* by 0·095 in.

Mean temperature, 48·5° F. ; greater by 0·3° F.

Mean daily range of temperature, 11·6° F. ; greater by 0·3° F.

Mean daily sunshine, 2·29 hours ; less by 0·57 hour.

Rain, depth in inches, 3·26 ; less by 0·15 in.

Wind, direction of : two days' excess of calms.

A large depression extending from the Bay of Biscay across the British Isles in a north-easterly direction brought considerable rain to practically the whole of Scotland on the 1st and to a lesser extent on the 2nd. Thereafter areas of high pressure moved eastwards across the British Isles and spread northwards to Iceland

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

during the first part of the month. Mainly fair and rather dry weather prevailed during this period. A few days were beautifully fine, especially the 4th, when more than 10 hours' sunshine was registered at Lerwick and Leuchars. From the 15th to the 19th pressure was high to the south and low to the north of Great Britain, and high winds or gales were experienced in the extreme north. In the last ten days of the month depressions passed irregularly across the British Isles. Unusually wild conditions were experienced over the southern half of Great Britain from the 23rd to the 25th. In Scotland the weather was less disturbed, but there was considerable precipitation generally and an appreciable drop in temperature around the 27th. In Edinburgh the extremes of pressure were 30·64 inches on the 5th and 28·94 inches on the 25th.

Over the greater part of the country mean temperatures were above normal but there were areas of slight deficiency in the south-west and in Fife. The greatest excess over the normal occurred in the extreme north and amounted to 4·2° F. at Deerness (Orkney). Some relatively high temperatures were recorded in eastern counties on the 4th and 5th, but over Scotland as a whole the warmest day was the 19th, when maxima exceeding 60° F. were reached in all districts. The highest values reported were 67° F. at Edinburgh, 66° F. at Banff and 65° F. at Dunbar. The coldest nights were in the last week of the month. Screen minima, which were unusually low for the time of the year, were recorded at some high level stations, the extreme values being 19° F. at Braemar, 20° F. at Dalwhinnie and 21° F. at Logie Coldstone, all on the 28th. Ground frosts occurred at one place or other on 21 nights. They were widespread on the 5th and from the 25th to the 29th. The lowest ground temperatures recorded were 11° F. at Dalwhinnie and 17° F. at Braemar, both on the 28th, 19° F. at Stirling on the 25th and 27th and 19° F. at West Linton on the 27th.

Sunshine was below normal everywhere except along the area of the Caledonian Canal, where the aggregates were in excess of the average; Onich with 79 hours' sunshine had an excess of 20 hours over the normal. Nairn and Inverness, with totals of 106 and 101 hours, exceeded their normals by 13 and 14 hours respectively. The greatest deficiencies occurred in the eastern counties. Marchmont (Berwickshire) with 47 hours' sunshine, or 33 hours less than normal, had the least sunny October since 1889. Other low aggregates were 52 hours at Paisley, 53 hours at Abbotsinch and 59 hours at Cardross, Lerwick and Duntulm (Skye).

Rainfall was deficient over the greater part of Scotland but exceeded the average in the east and around Dumfries. The excess was greatest in Edinburgh, where the total of 3·87 inches was 1·13 inch above the October average. The areas of usually high rainfall in the Western Highlands were those which recorded the greatest deficiencies in the past month, many places having less than half the average. At Swinton House (Berwickshire) a 17 days' drought ended on the 19th. Daily falls exceeding an inch occurred over a wide area on the 1st, the largest reported being 1·42 inch at Douglas (Lanarkshire), 1·36 inch at Brenchoillie (Argyll), and 1·33 inch at Preston House, Linlithgow. Less widespread were the heavy falls on the 23rd and 25th. Among the largest were 1·34 inch at Bowden (Roxburghshire) and 1·32 inch at Ettrick Manse on the 23rd, and 1·39 inch at Forrest Lodge (Kirkcudbrightshire) on the 25th.

Snow fell on the hills in the north and west on the 21st and succeeding days up to the 28th. Hail was reported at Stornoway on the 3rd and at some scattered places in the west on the 24th.

A good deal of coastal fog was reported on the 5th, 6th, 11th–13th and 20th–23rd. It also occurred locally on twelve other days.

Gales were reported in the extreme north and west from the 15th to 18th and on the 25th and 28th, but were not of great severity.

Thunder was heard locally at Colmonell on the 3rd, at Dumfries and New Luce on the 21st and at Lerwick on the 26th.

Aurora was observed at one place or other on fifteen nights. At Lerwick it occurred on eleven occasions. It was seen over a wide area on the 3rd and 4th and as far south as Eskdalemuir on the 3rd, 4th and 9th–11th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 80.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, OCTOBER 1937.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Provisional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
									Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . . .	1,088,524	1,119,900	1733	891	842	1620	113	656	1239	658	581	148	24	1115
EDINBURGH, . .	439,010	468,500	558	302	251	518	55	318	583	282	301	117	10	476
DUNDEE, . . .	175,681	179,300	219	110	109	205	14	134	176	78	98	22	7	161
ABERDEEN, . .	169,803	178,300	221	114	107	206	15	130	184	106	78	28	3	159
PAISLEY, . . .	86,445	90,500	144	80	64	140	4	41	82	36	46	13	10	79
GREENOCK, . .	79,012	80,900	134	61	73	129	5	40	90	51	39	9	4	85
MOTHERWELL AND WISHAW, .	64,710	66,800	103	53	50	99	4	28	38	17	21	..	11	49
CLYDEBANK, . .	46,952	48,000	79	41	33	77	2	13	23	15	8	1	16	38
KIRKCALDY, . .	43,874	44,900	51	25	26	47	4	37	36	15	21	4	4	36
COATBRIDGE, . .	*43,312	43,900	83	43	40	82	1	12	27	13	14	..	6	33
KILMARNOCK, .	38,631	40,100	52	30	22	49	3	29	47	26	21	15	6	38
HAMILTON, . .	37,990	38,500	62	30	32	60	2	31	35	15	20	3	11	43
AYR, . . .	38,905	40,700	65	32	33	60	5	38	57	33	24	23	5	39
FALKIRK, . . .	36,566	38,200	57	35	22	54	3	18	38	22	16	9	2	31
DUNFERMLINE, .	35,058	36,500	52	24	23	51	1	27	49	22	27	10	3	42
PERTH, . . .	35,051	36,000	39	19	20	34	5	29	42	25	17	13	3	32
TOTAL (SIXTEEN TOWNS)	*2,459,574	2,551,000	3647	1890	1757	3431	216	1576	2746	1414	1332	415	125	2456

* Population revised following extension of Coatbridge Burgh, May 1937.

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, OCTOBER 1937.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	13.2	6.5	6.9	13.0	11.7	0.4	0.8	0.6	1.6	157	83
EDINBURGH, . .	13.9	6.3	7.9	14.7	12.0	0.4	0.7	0.6	1.2	39	63
DUNDEE, . . .	14.4	6.4	8.3	11.6	10.6	0.3	0.4	0.3	0.9	12	46
ABERDEEN, . .	14.6	6.3	8.6	12.1	10.5	0.2	0.8	0.5	0.7	15	58
PAISLEY, . . .	13.7	2.3	5.3	10.7	10.3	0.3	0.7	0.5	1.4	13	90
GREENOCK, . .	19.5	8.7	5.8	13.1	12.4	0.4	0.3	0.3	1.5	12	82
MOTHERWELL AND WISHAW, .	13.2	3.9	4.9	6.7	8.6	..	0.5	0.4	1.2	7	64
CLYDEBANK, . .	19.4	2.5	3.2	5.6	9.3	..	0.2	0.2	1.0	5	68
KIRKCALDY, . .	13.4	7.8	9.7	9.4	9.4	..	..	..	0.3	4	71
COATBRIDGE, . .	22.2	1.2	3.2	7.2	8.8	0.3	0.3	..	0.5	6	70
KILMARNOCK, .	15.3	5.8	8.5	13.3	11.2	0.3	0.9	0.6	1.5	6	91
HAMILTON, . .	13.9	3.2	9.5	10.7	13.1	0.3	0.9	0.6	0.6	3	39
AYR, . . .	13.8	7.7	11.0	16.5	11.3	0.3	1.4	0.9	2.0	5	85
FALKIRK, . . .	17.5	5.3	5.5	11.7	9.5	0.3	0.9	0.6	0.9	3	56
DUNFERMLINE, .	10.3	1.9	8.7	15.3	13.5	..	0.3	0.3	1.3	4	82
PERTH, . . .	12.8	12.8	9.5	13.8	10.5	..	0.7	0.7	1.3	3	63
TOTAL (SIXTEEN TOWNS)	16.8	5.9	7.3	12.7	11.3	0.3	0.7	0.5	1.3	294	73

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR OCTOBER 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
OCT. 1937.	16.8	5.9	7.3	11.3	0	3	3	3	22	19	4	16	73	48°·5
OCT. 1936.	17.7	5.9	7.5	12.6	2	5	5	19	20	14	7	15	90	48°·6
OCT. 1935.	18.3	6.2	8.8	11.7	1	7	6	3	12	20	6	13	76	47°·4
OCT. 1934.	18.2	6.2	8.7	11.5	1	8	9	17	23	8	7	10	77	48°·6
OCT. 1933.	16.4	5.7	8.3	11.7	5	0	16	7	20	14	6	15	81	49°·5
OCT. 1932.	17.3	6.3	7.6	11.8	0	1	12	9	12	19	11	12	74	46°·0
OCT. 1931.	19.9	5.7	6.7	11.3	2	70	5	10	12	17	9	16	71	47°·8
OCT. 1930.	20.5	6.4	7.2	11.7	0	5	6	17	21	16	9	19	74	48°·8
OCT. 1929.	19.2	7.2	8.1	13.0	0	7	3	8	35	22	13	10	84	47°·2
OCT. 1928.	21.1	5.9	8.1	13.1	0	2	3	13	16	45	6	14	82	48°·0
OCT. 1927.	20.3	6.2	7.7	13.0	1	50	8	27	31	37	7	17	87	49°·2

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.														
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over			
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over			
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
4	Measles -	3	1	2	1	2	-	-	-	-	-	-	-	-	-	-			
5	Scarlet Fever -	3	2	1	-	2	-	-	-	1	-	-	-	-	-	-			
6	Whooping-cough -	3	2	1	1	2	-	-	-	-	-	-	-	-	-	-			
7	Diphtheria -	22	9	13	-	10	8	2	-	-	-	2	-	-	-	-			
8	Influenza -	19	14	5	1	-	-	-	1	1	1	2	5	4	3	1			
14 (1)	Cerebro-spinal Fever -	4	3	1	-	-	-	1	1	-	1	-	-	-	-	-			
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	16	10	6	1	2	1	1	2	3	1	2	1	1	1	-			
10	Tuberculosis of Respiratory System -	116	62	54	-	-	-	1	34	35	19	15	9	2	1	-			
11	Other Tuberculous Diseases -	34	18	16	2	3	3	5	10	7	2	1	-	1	-	-			
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	11	7	4	3	2	-	-	1	1	1	1	2	-	-	-			
15	Cancer, Malignant Disease -	319	146	173	-	2	-	1	2	2	22	49	91	100	46	4			
18	Diabetes Mellitus -	27	6	21	-	-	-	-	-	1	1	3	5	8	9	-			
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	58	20	38	1	1	1	-	5	1	4	10	15	12	8	-			
22	Cerebral Hemorrhage, &c. -	196	80	116	-	-	-	-	-	4	4	15	42	81	44	6			
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	52	30	22	4	2	1	2	6	2	3	9	9	11	2	1			
24	Heart Disease -	557	264	293	-	-	2	2	7	12	29	45	113	184	138	25			
25	Other Circulatory Diseases -	46	27	19	-	-	-	1	-	4	2	1	9	8	16	5			
26	Bronchitis -	75	44	31	7	2	-	-	-	2	-	6	10	26	20	2			
27	Pneumonia (all forms) -	188	116	72	59	15	4	1	6	13	12	22	20	21	11	4			
28	Other Respiratory Diseases -	27	13	14	3	1	-	-	1	-	2	2	4	6	7	1			
32 (1)	Gastric and Duodenal Ulcer -	29	24	5	-	-	-	-	-	1	3	8	9	6	2	-			
29	Diarrhoea, &c. (all ages) -	83	48	35	64	7	1	-	-	1	1	1	2	4	2	-			
30	Appendicitis -	16	12	4	-	2	1	1	5	2	2	1	-	-	-	-			
31 (1)	Cirrhosis of Liver -	13	6	7	-	-	-	-	-	-	3	1	5	3	-	1			
31 (2)	Other Diseases of Liver, &c. -	18	5	13	-	-	-	-	-	-	-	3	9	5	1	-			
32 (2)	Other Digestive Diseases -	42	23	19	5	1	2	1	1	1	3	8	6	7	6	1			
33	Acute and Chronic Nephritis -	54	20	34	-	-	1	2	2	1	1	14	14	17	2	-			
34	Other Dis. of Genito-Urinary System -	50	40	10	2	-	-	-	-	2	2	8	15	17	2	-			
35	Puerperal Sepsis -	5	-	5	-	-	-	-	-	2	1	2	-	-	-	-			
36	Other Puerperal Causes -	10	-	10	-	-	-	-	-	2	6	2	-	-	-	-			
37	Diseases of Skin and Locomotor System -	22	14	8	3	3	2	-	-	2	2	3	1	5	1	-			
38	Congen. Debil., Prem. Birth, Malform., &c. -	133	69	64	131	2	-	-	-	-	-	-	-	-	-	-			
39	Old Age -	63	28	40	-	-	-	-	-	-	-	-	-	10	41	17			
40	Suicide -	18	14	4	-	-	-	-	-	1	4	5	4	4	-	-			
42	Other Violence (41) -	84	55	29	4	3	7	2	9	8	5	9	7	12	14	4			
43	Causes ill-defined or Unknown -	35	16	19	1	-	-	-	-	1	1	3	4	9	6	-			
ALL CAUSES -		2456	1248	1208	294	65	35	22	99	119	133	241	404	562	402	75			

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	3	1	2	...	...	...	...	...	...
5	Scarlet Fever	3	...	1	2	...	...	...	...	...
6	Whooping-cough	3	2	...	...	...	...	1	...	...
7	Diphtheria	22	14	2	...	3	2	...	...	...
8	Influenza	19	10	4	2	...	...	1	...	...
14 (1)	Cerebro-spinal Fever	4	3	1	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	16	9	4	...	...	...	1	...	...
10	Tuberculosis of Respiratory System ...	116	57	25	5	8	4	2	2	1
11	Other Tuberculous Diseases	34	18	3	1	4	1	...	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13,	11	2	3	...	2	1	2	...	...
15	Cancer, Malignant Disease	319	142	62	26	16	8	8	5	8
18	Diabetes Mellitus	27	11	5	3	2	...	...	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	58	25	13	3	3	1	2	3	...
22	Cerebral Hæmorrhage, &c.	196	82	38	15	16	4	5	4	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	52	20	6	12	3	2	2	2	1
24	Heart Disease	557	240	126	43	35	17	20	6	6
25	Other Circulatory Diseases	46	19	7	4	8	1	1	1	1
26	Bronchitis	75	43	10	3	3	2	3	4	1
27	Pneumonia (all forms)	188	105	32	9	7	8	6	2	3
28	Other Respiratory Diseases	27	8	6	1	1	1	1	1	...
32 (1)	Gastric and Duodenal Ulcer	29	9	13	1	2	...	2	1	...
29	Diarrhoea, &c. (all Ages)	83	57	6	...	1	3	4	3	1
30	Appendicitis	16	6	1	1	2	...	2	1	2
31 (1)	Cirrhosis of Liver	13	5	5	...	1	...	...	1	...
31 (2)	Other Diseases of Liver, &c.	18	10	3	...	...	1	...	2	...
32 (2)	Other Digestive Diseases	42	17	12	2	3	1	3	2	...
33	Acute and Chronic Nephritis	54	23	9	6	7	1	2	...	...
34	Oth. Diseases of Genito-Urinary System	50	20	9	1	6	3	3	...	2
35	Puerperal Sepsis	5	4	...	1	...	...	...	...	...
36	Other Puerperal Causes	10	4	2	...	1	...	2	...	...
37	Dis. of Skin, and of Locomotor System	22	10	2	2	1	2	2	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	133	57	20	6	10	8	3	2	4
39	Old Age	68	28	14	4	2	2	3	2	...
40	Suicide	18	6	4	1	4	3	...	...	...
42	Other Violence (41)	84	30	21	7	6	2	2	1	...
43	Causes Ill-defined or Unknown	35	18	5	...	2	1	2	2	1
All Causes		2456	1115	476	161	159	79	85	49	38
AGE AT DEATH.										
Under 1	...	294	157	39	12	15	13	12	7	5
1-4	...	65	36	8	4	3	4	3	...	1
5-9	...	35	16	3	...	6	1	1	...	1
10-14	...	22	6	6	3	3	...	...	...	...
15-24	...	99	47	14	7	6	2	8	3	3
25-34	...	119	58	22	7	9	2	5	3	2
35-44	...	138	56	37	7	12	3	5	2	4
45-54	...	241	111	49	13	14	10	10	6	3
55-64	...	404	201	74	26	17	16	9	9	5
65-74	...	562	236	114	40	41	16	22	8	8
75-84	...	402	169	87	32	28	10	7	9	5
85 and over	...	75	22	23	10	5	2	3	2	1
Not stated	...	...	...	...	...	...	...	...	...	...
All Ages		2456	1115	476	161	159	79	85	49	38

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	1	...	...	...	...	...	...
8	Influenza ... ..	...	...	...	1	...	1	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	1	...	1	...	...	...
10	Tuberculosis of Respiratory System ...	...	...	2	2	2	2	1	2
11	Other Tuberculous Diseases ... ..	...	1	1	1	2	1	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	1	...	...	...
15	Cancer, Malignant Disease	3	3	6	10	3	8	6	5
18	Diabetes Mellitus	2	1	...	...	...	...	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	3	...	3	2	...	...	...	...
22	Cerebral Hæmorrhage, &c.	5	...	4	3	1	2	7	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	...	...	...	2	1	...	...
24	Heart Disease	7	10	6	9	9	6	12	5
25	Other Circulatory Diseases ... ..	...	...	2	1	1	...	...	...
26	Bronchitis	1	...	2	1	...	1	1	...
27	Pneumonia (all forms)	2	1	2	...	5	1	3	2
28	Other Respiratory Diseases ... ..	...	1	1	1	2	1	...	2
32 (1)	Gastric and Duodenal Ulcer ... ..	...	1	...	...	...	...	...	...
29	Diarrhoea, &c. (all Ages) ... ..	...	3	2	1	...	1	...	1
30	Appendicitis ... ..	...	...	...	1	...	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	1	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	1	...	1
32 (2)	Other Digestive Diseases	1	...	...	1	...	...	...	...
33	Acute and Chronic Nephritis	1	...	...	1	1	1	2	...
34	Oth. Diseases of Genito-Urinary System	2	1	...	1	1	...	1	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	1	...	...	...	...
37	Dis. of Skin, and of Locomotor System	1	...	...	...	...	...	...	2
38	Congenital Debility, Premature Birth, Malformations, &c.	3	3	4	3	4	2	2	2
39	Old Age	3	1	2	1	...	1	4	1
40	Suicide ... ..	...	...	...	...	...	...	...	...
42	Other Violence (41) ... ..	...	6	...	2	2	...	2	3
43	Causes Ill-defined or Unknown	1	...	...	...	1	...	1	1
	All Causes	36	33	38	43	39	31	42	32
	AGE AT DEATH.								
	Under 1	4	6	6	3	5	3	4	3
	1-4 ... ..	...	2	1	1	...	1	...	1
	5-9	1	...	...	2	2	...	1	1
	10-14 ... ..	...	...	1	...	1	1	1	...
	15-24 ... ..	...	2	1	...	3	2	1	...
	25-34 ... ..	...	1	1	2	1	...	2	4
	35-44 ... ..	...	1	2	3	...	2	...	4
	45-54	2	5	3	3	6	3	1	2
	55-64	5	2	8	10	8	3	8	3
	65-74	16	8	10	11	5	10	11	6
	75-84	6	6	5	7	7	6	11	7
	85 and over	2	...	...	1	1	...	2	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	36	33	38	43	39	31	42	32

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of OCTOBER 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.					HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.				
			Mean of		Difference from Average.	Absolute Maximum and Minimum.		Mean of	Humidity.	Total Fall.	Difference from Average.	Hours per Day.	Per Cent. of Possible.					
						Maximum.	Day of Month.							Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.		
																	° F.	° F.
GLASGOW. (Abolished Aerodrome), The Meteorological Office.	19	1014.8	29.969	53.7	40.9	47.3	-0.4	61	3.4, 5, 19	27, 28	46.1	1.2	9.6	91	17	1.72	-0.81	
EDINBURGH. Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	1015.1	29.976	53.6	44.2	48.9	+0.9	64	19th	27th	47.9	1.8	9.8	86	15	2.71	-0.50	
DUNDEE, College Ga. is.	147	1014.9	29.970	55.0	41.6	48.3	+1.0	64	4th	30	25th	48.5	2.1	9.9	84	17	2.53	-0.61
ABERDEEN, The Meteorological Office.	79	1014.2	29.950	54.1	44.3	49.2	+1.5	60	17, 18	21	27, 28	49.1	2.2	10.0	85	14	3.37	-0.59
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1015.1	29.976	53.7	43.2	48.5	-0.1	62	4th	33	25th	47.7	1.4	10.1	89	15	3.52	-0.76
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1015.4	29.985	53.6	44.4	49.0	+0.6	60	4th	36	25th	47.4	1.5	9.9	88	16	2.84	-2.54
KIRKCALDY, The Medical Office of Health.	137	..	..	55.1	40.8	47.9	-0.8	64	19th	30	27th	49.6	1.9	10.4	87	14	3.54	..
KILMARNOCK, W. DUNN, C.E.	132	..	..	53.9	41.5	47.7	-0.6	62	5th	26	27th	47.8	1.3	10.1	90	17	2.81	-0.70
AYR, The Medical Office of Health.	43	..	..	55.6	44.6	50.1	..	60	1, 5, 6, 19	36	26th	50.4	1.5	11.1	89	12	3.02	..
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	54.1	42.4	48.3	..	62	19th	32	27, 28 38	47.7	1.3	10.0	90	14	3.06	..
PERTH, J. RITCHIE, The Museum.	76	1015.2	29.979	54.7	41.3	48.0	+0.5	63	4, 11	29	25, 27, 38	46.5	0.7	10.1	95	17	3.57	+0.62
Means	147	1015.0	29.972	54.3	42.7	48.5	+0.3	..	..	..	48.1	1.5	10.1	89	15	3.26	-0.16	
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 0'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 56'.																		

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 6'; Paisley, 55° 51'; Greenock, 55° 28'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abolished Aerodrome) and Aberdeen at 7h. and 18h.
† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

NOVEMBER 1937.

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REPORT

During the month of November 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,599 living children, of whom 1,876 were males and 1,723 were females. Compared with the number in the previous month, male births are 14 fewer, female births 34 fewer and those of children of both sexes 48 fewer. The monthly birth-rate in these towns taken collectively was 17·2 per thousand. This rate is 0·4 more than that for the previous month but is 0·2 below the average.

In the individual towns the monthly birth-rate ranged from 23·0 in Motherwell and Wishaw, 20·5 in Coatbridge and 19·9 in Hamilton, to 12·9 in Perth, 13·5 in Kirkcaldy and 13·6 in Dunfermline. In Greenock the rate was 19·8, in Paisley 19·5, in Glasgow 18·4, in Clydebank 18·0, in Kilmarnock 17·6, in Dundee 16·0, in Edinburgh 14·9, in Ayr 14·4, in Aberdeen 14·0 and in Falkirk 13·7.

Of the 3,599 living children whose births were registered during the month, 3,406 or 94·6 per cent. were legitimate, while 193 or 5·4 per cent. were illegitimate. The legitimate children numbered 25 fewer than in the previous month and the illegitimate children 23 fewer. The illegitimate rate for the month is 0·5 below that for the previous month. In the individual towns it ranged from 8·0 in Kirkcaldy, 7·9 in Perth and 7·2 in Dundee, to 2·3 in Greenock, 2·3 in Falkirk, 2·4 in Dunfermline and 2·7 in Coatbridge. In Glasgow the rate was 5·4 and in Edinburgh 5·9.

Marriages registered during the month numbered 1,541 and are 35 fewer than in the previous month. The marriage rate, 7·3 per thousand, is the same as that for the previous month but 1·0 above the average. In the individual towns it ranged from 9·0 in Dunfermline, 8·9 in Aberdeen and 8·8 in Perth, to 4·4 in Paisley, 5·1 in Clydebank and 5·7 in Greenock. In Glasgow the rate was 7·4 and in Edinburgh 8·0. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths registered in these towns during the month numbered 3,378 and are 632 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,079, of whom 1,592 were males

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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and 1,487 were females. The corrected number is 623 more than in the previous month, males being 344 more and females 279 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 14·7 per thousand, being 3·4 above that for the previous month and 1·0 above the average. In the towns taken individually the death-rate ranged from 18·6 in Ayr, 15·7 in Glasgow and 15·6 in Greenock, to 11·5 in Kilmarnock, 12·2 in Kirkcaldy and 12·5 in Perth. In Paisley the rate was 14·5, in Edinburgh 14·2, in Hamilton 13·9, in Aberdeen 13·8, in Clydebank 13·7, in Coatbridge 13·6, in Dunfermline 13·6, in Dundee 12·9, in Motherwell and Wishaw 12·9 and in Falkirk 12·7.

Deaths of children of less than one year old numbered 443, and equalled an infantile mortality rate of 114 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 149 more than in the previous month, while the rate is 41 more than in that month and 22 above the average. In the individual towns this rate ranged from 148 in Glasgow, 129 in Paisley and 125 in Ayr, to 41 in Hamilton, 46 in Motherwell and Wishaw and 48 in Aberdeen. In Kirkcaldy the rate was 111, in Edinburgh 99, in Clydebank 99, in Greenock 97, in Perth 93, in Dundee 85, in Dunfermline 85, in Kilmarnock 63, in Coatbridge 60 and in Falkirk 58.

Deaths from the principal epidemic diseases numbered 96 and equalled a death-rate of 0·5 per thousand. These deaths are 26 more than in the previous month and the rate is 0·2 more. They include none from typhoid fever, 9 from measles, 3 from scarlet fever, 1 from whooping-cough, 32 from diphtheria, 37 from influenza, 3 from cerebro-spinal fever, and 11 from other epidemic diseases, 6 of which were ascribed to lethargic encephalitis, 4 to erysipelas and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from measles are 6 more, from scarlet fever the same, from whooping-cough 2 fewer, from diphtheria 10 more, from influenza 18 more, from cerebro-spinal fever 1 fewer, and from other epidemic diseases 5 fewer.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 613, and equalled a death-rate of 2·9 per thousand. Compared with the number in the previous month these deaths are 323 more, while the rate is 1·6 more and is 0·7 above the average.

Deaths from all forms of tuberculosis numbered 160, of which 126 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 10 more and those from respiratory tuberculosis 10 more. Compared with the average the former are 18 fewer and the latter 15 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

NOVEMBER 1937.

Mean barometric pressure, 30·046 ins. ; greater than average* by 0·196 in.

Mean temperature, 41·9° F. ; equal to average.

Mean daily range of temperature, 11·1° F. ; greater by 1·2° F.

Mean daily sunshine, 1·64 hours ; less by 0·17 hour.

Rain, depth in inches, 0·66 ; less by 2·79 in.

Wind, direction of ; approximately normal.

The principal feature was the deficient rainfall, the month being the driest November on record and the driest month of any name since the abnormally dry February 1932.

During the first part of the month an anticyclone was situated over the Baltic regions, whilst depressions on the Atlantic to the south-west of Ireland moved quickly northwards giving gales in the west and north. At Stornoway wind gusts up to 62 miles per hour were registered on the 4th and up to 66 miles per hour on

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-25.

the 5th. On the 5th the anticyclone extended and covered the British Isles, and another anticyclone moving north-east to a position south of Iceland became the dominant feature until the 14th. Cool, cloudy weather persisted over Scotland and there were showers in the extreme north. Subsequently this area of high pressure moved south-east to the Continent and a deep depression near the Azores moved north-east to Norway. Widespread gales occurred from the 17th to the 19th, wind gusts exceeding 50 miles per hour at Stornoway, Kirkwall and Bell Rock. During the last week of the month pressure was relatively high over the southern part of the British Isles, while depressions moved north-east between Scotland and Iceland. Rather dull weather prevailed generally over Scotland but there were appreciable bright intervals on the 23rd, 24th and 26th in most places. In Edinburgh the extremes of pressure were 30·51 inches on the 28th and 29·35 inches on the 19th.

Mean temperatures did not as a rule vary greatly from the normal, and for Scotland as a whole the mean value was exactly equal to normal. The greatest divergence was in Ayrshire, where deficiencies up to 2° F. were recorded. The highest temperatures of the month occurred between the 2nd and 5th when maxima of 55° to 60° F. were recorded at all but some high level stations. The highest values reported were 61° F. at Edinburgh on the 2nd and at Achnashellach (Ross-shire) on the 2nd and 3rd. Some low temperatures were registered in the south-western counties on the 13th, but in most places the coldest days were the 23rd and 24th. The extreme minima reported were 15° F. at Braemar on the 23rd and 24th, 18° F. at Balmoral on the 24th, and 19° F. at Dalwhinnie and Abbotsinch also on the 24th. Ground frosts occurred in one place or other on all but six nights, viz. 3rd–5th, 7th, 8th and 30th. The lowest ground temperatures reported were 10° F. at Dalwhinnie on the 24th and 11° F. on the 23rd, 12° F. at Glenbranter on the 22nd and at Dunfermline and Stirling on the 24th.

Sunshine was below normal in most districts, but some scattered places in the south and west had more than the average amount. Dumfries headed the list with 66 hours, or 11 hours over the normal; Law Junction had 63 hours, and Auchincruive, Troon and Arbroath 60 hours each. Less than half these totals were recorded at a number of stations, the lowest aggregates being 23 hours at Braemar and Fort Augustus and 25 hours at Baltasound (Shetland). Though among the lowest totals reported, the Baltasound aggregate is only two hours short of the normal.

Over the whole of Scotland the rainfall of the month was strikingly deficient, many widely separated places reporting the driest November on record. Less than one quarter of the normal precipitation was registered in central and southern districts; only a few isolated stations had so much as half the average fall. At Edinburgh the total was only 0·24 inch, and this is the least for November in 160 years' records; the only other Novembers in which less than 0·50 inch of rain fell in Edinburgh were 1805 with 0·38 inch and 1896 with 0·35 inch. There was no period of absolute drought, the sparse rainfall being more or less evenly distributed through the month. There were very few daily falls of an inch or more and none of these calls for particular mention.

Snow or sleet were reported from the 8th to 15th, 17th to 24th and on the 27th. The heaviest and most widespread falls occurred on the 19th and 20th. Hail fell at one place or other on 13 days, reports being most numerous on the 12th, 13th and 19th.

Fog occurred on 19 days, being fairly frequently experienced along the east coast and in the Clyde area. Perth had fog on 10 days, and Paisley, Helensburgh and Abbotsinch on 7 days each.

Gales were reported on 9 days from places in the north and west. The gale on the 17th was more generally felt, and reports were received from places as widely separated as Dundee, Kirkwall and Tiree.

Thunder was heard at Baltasound on the 4th and at Aberdeen on the 19th.

Aurora was observed on 16 nights. An unusually brilliant display was seen in Skye and at Fort Augustus on the night of the 30th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 88.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, NOVEMBER 1937.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS (Both Sexes.)				
								Both Sexes.		Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes.)	
GLASGOW, . . .	1,088,524	1,119,900	1694	864	830	1603	91	685	1601	898	733	172	19	1448	
EDINBURGH, . .	439,010	463,500	574	305	269	540	34	307	631	311	320	104	18	545	
DUNDEE, . . .	175,681	179,300	235	112	123	218	17	99	207	101	106	26	9	190	
ABERDEEN, . .	169,803	178,300	205	100	105	194	11	131	232	118	114	37	7	202	
PAISLEY, . . .	86,445	90,500	145	78	67	136	9	33	99	49	50	12	21	108	
GREENOCK, . .	79,012	80,900	132	70	62	129	3	38	109	51	58	11	6	104	
MOTHERWELL AND WISHAW, . .	*35,611	67,700	128	74	54	122	0	34	61	30	31	..	11	72	
CLYDEBANK, . .	46,952	48,000	71	40	31	63	3	20	22	10	12	..	32	54	
KIRKCALDY, . .	43,874	44,900	50	35	15	46	4	29	47	27	20	3	1	45	
COATBRIDGE, . .	43,312	43,900	74	37	37	72	2	21	45	21	24	2	6	49	
KILMARNOCK, . .	38,631	40,100	58	35	23	55	3	20	56	36	20	23	5	38	
HAMILTON, . . .	37,990	38,500	63	34	29	60	3	23	36	18	18	1	9	44	
AYR, . . .	38,905	40,700	48	25	23	46	2	26	85	35	50	27	4	62	
FALKIRK, . . .	36,566	38,200	43	24	19	42	1	22	53	31	22	16	3	40	
DUNFERMLINE, .	35,058	36,500	41	20	21	40	1	27	47	26	21	12	6	41	
PERTH, . . .	35,051	36,000	38	23	15	35	3	26	47	25	22	14	4	37	
TOTAL (SIXTEEN TOWNS)	*2,460,475	2,551,900	3599	1876	1723	3406	193	1541	3378	1757	1621	460	161	3079	

* Population revised following extension of Motherwell and Wishaw Burgh.

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, NOVEMBER 1937.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tubercu- losis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, . .	13.4	5.4	7.4	17.4	15.7	0.5	0.9	0.7	3.8	269	148	
EDINBURGH, .	14.9	5.9	8.0	16.4	14.2	0.5	0.9	0.7	2.5	60	99	
DUNDEE, . . .	16.0	7.2	6.7	14.1	12.9	0.3	0.7	0.5	1.7	22	85	
ABERDEEN, . .	14.0	5.4	8.9	15.8	13.8	0.3	0.5	0.3	1.6	12	48	
PAISLEY, . . .	19.5	6.2	4.4	13.3	14.5	1.2	0.4	0.4	3.1	18	129	
GREENOCK, . .	19.8	2.3	5.7	16.4	15.6	0.2	1.2	0.9	3.2	14	97	
MOTHERWELL AND WISHAW, .	23.0	4.7	6.1	11.0	12.9	0.4	0.4	0.4	2.0	5	46	
CLYDEBANK, . .	18.0	4.2	5.1	5.6	13.7	..	0.5	0.5	3.3	7	99	
KIRKCALDY, . .	13.5	8.0	7.9	12.7	12.2	..	0.3	0.3	2.2	6	111	
COATBRIDGE, .	20.5	2.7	5.8	12.5	13.6	1.1	1.1	0.6	2.5	5	60	
KILMARNOCK, .	17.6	5.2	6.1	17.0	11.5	0.6	0.3	..	1.5	4	63	
HAMILTON, . .	19.9	4.8	7.3	11.4	13.9	0.9	0.9	..	2.2	3	41	
AYR, . . .	14.4	4.2	7.8	25.4	13.6	0.9	0.3	0.3	2.1	7	125	
FALKIRK, . . .	13.7	2.3	7.0	16.9	12.7	1.0	0.6	0.6	1.9	3	58	
DUNFERMLINE, .	13.6	2.4	9.0	15.6	13.6	0.3	0.3	0.3	1.7	4	85	
PERTH, . . .	12.9	7.9	8.8	15.9	12.5	..	..	..	1.4	4	93
TOTAL . . . (SIXTEEN TOWNS)	17.2	5.4	7.3	16.1	14.7	0.5	0.8	0.6	2.9	443	114	

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR NOVEMBER 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
NOV. 1937, .	17.2	5.4	7.3	14.7	0	9	3	1	32	37	3	11	114	41°·9	
NOV. 1936, .	17.3	5.2	7.4	14.1	0	0	9	27	19	23	6	19	102	41°·3	
NOV. 1935, .	17.3	6.1	6.4	13.0	1	13	5	1	20	37	2	17	94	42°·3	
NOV. 1934, .	18.0	4.9	6.0	14.6	1	6	6	17	21	43	0	16	97	42°·2	
NOV. 1933, .	16.7	5.8	5.8	13.0	1	0	30	6	20	33	7	26	76	42°·1	
NOV. 1932, .	17.7	6.7	6.1	13.7	1	0	14	23	17	30	7	7	92	42°·1	
NOV. 1931, .	18.3	5.8	7.0	13.2	1	125	20	14	21	15	14	18	85	45°·2	
NOV. 1930, .	18.3	6.1	6.1	13.2	2	11	5	23	19	34	11	19	97	40°·6	
NOV. 1929, .	18.6	6.2	5.9	12.8	0	24	4	15	30	3	7	9	78	42°·6	
NOV. 1928, .	19.9	6.4	5.8	13.2	1	3	6	12	21	42	8	18	98	44°·3	
NOV. 1927, .	19.5	6.5	6.2	14.4	1	81	15	17	34	32	8	11	119	42°·3	

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles -	9	7	2	4	4	1	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	3	3	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-
6	Whooping-cough -	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	32	16	16	14	16	1	-	-	-	-	-	1	-	-	-	-	-
8	Influenza -	37	14	23	1	1	-	-	3	2	2	6	6	6	9	1	-	-
14 (1)	Cerebro-spinal Fever -	3	2	1	1	1	-	1	1	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	11	6	5	1	-	-	-	1	3	-	1	3	2	-	-	-	-
10	Tuberculosis of Respiratory System -	126	65	61	1	2	-	3	35	35	21	12	14	3	-	-	-	-
11	Other Tuberculous Diseases -	34	19	15	1	4	1	3	8	6	6	2	-	3	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	15	9	6	3	2	-	1	-	-	2	3	4	-	-	-	-	-
15	Cancer, Malignant Disease -	320	159	161	2	-	-	-	-	4	13	46	84	117	49	5	-	-
18	Diabetes Mellitus -	38	9	29	-	-	-	-	-	3	1	5	13	14	2	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	72	24	48	4	3	3	3	3	6	14	10	9	13	3	1	-	-
22	Cerebral Hæmorrhage, &c. -	276	186	140	-	1	-	1	-	1	4	29	51	98	75	16	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	70	43	27	14	3	1	1	3	8	8	8	12	8	4	-	-	-
24	Heart Disease -	633	302	331	-	-	-	1	8	11	27	59	130	195	161	41	-	-
25	Other Circulatory Diseases -	46	26	20	-	-	-	-	1	-	2	6	7	13	12	5	-	-
26	Bronchitis -	183	100	83	21	-	2	-	-	4	10	17	26	47	41	15	-	-
27	Pneumonia (all forms) -	378	212	166	166	43	5	2	5	14	17	81	80	29	30	6	-	-
28	Other Respiratory Diseases -	52	27	25	8	1	-	-	-	2	2	4	7	6	16	8	2	-
32 (1)	Gastric and Duodenal Ulcer -	27	22	5	-	-	-	-	-	2	2	5	6	4	5	3	-	-
29	Diarrhœa, &c. (all ages) -	75	37	38	54	4	1	-	2	2	1	1	3	2	4	1	-	-
30	Appendicitis -	20	12	8	-	-	3	2	3	3	-	3	3	2	1	-	-	-
31 (1)	Cirrhosis of Liver -	8	7	1	-	-	-	-	-	-	-	2	1	3	1	1	-	-
31 (2)	Other Diseases of Liver, &c. -	12	2	10	-	-	-	-	-	1	1	4	2	4	-	-	-	-
32 (2)	Other Digestive Diseases -	46	22	24	1	4	-	2	2	2	2	8	9	8	6	2	-	-
33	Acute and Chronic Nephritis -	95	50	45	-	-	-	2	1	7	8	15	30	22	9	1	-	-
34	Other Dis. of Genito-Urinary System -	42	33	9	-	1	1	1	1	1	2	2	11	13	9	-	-	-
35	Puerperal Sepsis -	11	-	11	-	-	-	-	1	7	3	-	-	-	-	-	-	-
36	Other Puerperal Causes -	12	-	12	-	-	-	-	1	7	4	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	20	13	7	5	-	1	-	3	-	2	2	4	3	-	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	146	91	55	143	3	-	-	-	-	-	-	-	-	-	-	-	-
39	Old Age -	65	25	40	-	-	-	-	-	-	-	-	-	10	38	17	-	-
40	Suicide -	23	17	6	-	-	-	-	1	6	4	4	5	3	-	-	-	-
42	Other Violence (41) -	100	61	39	10	6	5	2	4	4	15	9	8	14	19	4	-	-
43	Causes ill-defined or Unknown -	38	21	17	2	1	1	-	1	1	-	9	5	12	6	-	-	-
	ALL CAUSES -	3079	1592	1487	443	97	44	25	90	141	178	307	481	665	490	118	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	9	5	2	...	...	...	...	1	...
5	Scarlet Fever	3	2	...	...	...	...	...	...	...
6	Whooping-cough	1	...	...	1	...	...	...	...	...
7	Diphtheria	32	11	4	2	3	7	...	1	...
8	Influenza	37	19	7	1	...	1	1	...	...
14 (1)	Cerebro-spinal Fever	3	1	1	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	11	4	4	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	126	68	26	7	5	3	6	2	2
11	Other Tuberculous Diseases	34	12	9	3	2	...	2	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	15	7	2	1	1	...	...	2	...
15	Cancer, Malignant Disease	320	141	68	16	23	16	6	9	6
18	Diabetes Mellitus	38	14	8	4	6	1	...	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	72	29	13	3	3	4	5	3	3
22	Cerebral Hæmorrhage, &c.	276	123	51	18	23	6	11	8	3
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	70	27	11	5	8	2	3	...	4
24	Heart Disease	633	293	116	51	45	14	20	15	5
25	Other Circulatory Diseases	46	18	14	2	6	1	...	...	...
26	Bronchitis	183	96	29	5	9	9	9	4	3
27	Pneumonia (all forms)	378	236	52	17	11	13	10	4	9
28	Other Respiratory Diseases	52	17	15	3	4	1	2	3	1
32 (1)	Gastric and Duodenal Ulcer	27	10	7	2	2	...	2	1	1
29	Diarrhœa, &c. (all Ages)	75	47	5	4	...	1	7	1	3
30	Appendicitis	20	10	4	2	1	1	...	...	...
31 (1)	Cirrhosis of Liver	8	6	1	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	12	4	1	...	2	1	1	...	1
32 (2)	Other Digestive Diseases	46	21	5	2	2	2	2	3	1
33	Acute and Chronic Nephritis	95	38	12	11	7	3	4	5	1
34	Oth. Diseases of Genito-Urinary System	42	16	9	1	5	2	2	...	...
35	Puerperal Sepsis	11	5	2	...	...	...	...	...	1
36	Other Puerperal Causes	12	3	2	2	1	...	...	1	2
37	Dis. of Skin, and of Locomotor System	20	11	2	2	...	1	...	1	1
38	Congenital Debility, Premature Birth, Malformations, &c.	146	68	26	12	6	8	3	2	1
39	Old Age	65	23	10	5	6	...	5	4	1
40	Suicide	23	8	4	3	6	...	...	...	...
42	Other Violence (41)	100	33	23	4	13	9	2	1	2
43	Causes Ill-defined or Unknown	38	22	...	1	1	1	1	1	2
	All Causes	3079	1448	545	190	202	108	104	72	54
	AGE AT DEATH.									
	Under 1	443	269	60	22	12	18	14	5	7
	1-4	97	48	12	8	5	6	1	2	3
	5-9	44	15	7	3	1	6	2	1	5
	10-14	25	12	6	1	...	...	2	2	...
	15-24	90	36	19	7	7	1	2	3	2
	25-34	141	61	21	10	9	3	7	3	3
	35-44	178	79	32	14	10	5	7	6	3
	45-54	307	147	41	10	27	12	10	8	12
	55-64	481	246	79	22	30	18	16	11	9
	65-74	665	285	126	45	54	26	26	16	6
	75-84	490	204	115	38	34	11	14	11	4
	85 and over	118	46	27	10	13	2	3	4	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	3079	1448	545	190	202	108	104	72	54

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	1	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	1	...	...	...
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	1	1	1	...	1	...	...
8	Influenza ... ..	...	2	1	2	1	1	1	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	1	...	...	...	1	...	...
10	Tuberculosis of Respiratory System ...	1	2	...	...	1	2	1	...
11	Other Tuberculous Diseases ... ..	...	2	1	3	...	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	1	...	...	...	1
15	Cancer, Malignant Disease	4	5	3	4	6	8	3	2
18	Diabetes Mellitus ... ..	...	...	...	...	1	2	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	1	2	1	1	...	1	3
22	Cerebral Hæmorrhage, &c.	5	3	5	5	5	1	4	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	2	...	...	1	3	3	1	...
24	Heart Disease	10	9	11	6	15	6	6	11
25	Other Circulatory Diseases ... ..	...	1	...	1	...	...	1	2
26	Bronchitis	5	2	2	2	1	2	2	3
27	Pneumonia (all forms)	3	7	3	3	3	4	2	1
28	Other Respiratory Diseases ... ..	...	...	...	2	3	...	1	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	...	1	...	1	...
29	Diarrhœa, &c. (all Ages) ... ..	...	1	4	1	...	...	1	...
30	Appendicitis ... ..	...	...	...	...	1	...	1	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	1	...	...	...	...	...	1	...
32 (2)	Other Digestive Diseases	1	2	1	2	2	...	...	...
33	Acute and Chronic Nephritis ... ..	...	1	3	1	2	3	4	...
34	Oth. Diseases of Genito-Urinary System	1	...	...	3	1	1	...	1
35	Puerperal Sepsis ... ..	...	...	...	...	1	...	2	...
36	Other Puerperal Causes ... ..	...	...	...	...	1	...	...	...
37	Dis. of Skin, and of Locomotor System	...	1	...	1	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	5	1	1	1	2	3	2	4
39	Old Age	2	3	...	1	2	1	1	1
40	Suicide	2	...	...	...	...	...	...	...
42	Other Violence (41)	1	3	...	2	3	...	3	1
43	Causes Ill-defined or Unknown	2	1	...	...	2	1	1	2
	All Causes	45	49	38	44	62	40	41	37
	AGE AT DEATH.								
	Under 1	6	5	4	3	7	3	4	4
	1-4	1	2	2	3	1	2	1	...
	5-9 ... ..	...	2	1	...	1	...	...	...
	10-14 ... ..	...	1	...	...	1	...	...	...
	15-24 ... ..	...	3	2	4	2	1	...	1
	25-34	2	6	...	3	4	3	4	2
	35-44	3	3	4	4	3	1	4	...
	45-54	3	4	5	7	11	3	3	4
	55-64	7	6	6	4	6	7	8	6
	65-74	10	12	8	13	12	10	8	8
	75-84	12	4	5	2	12	9	6	9
	85 and over	1	1	1	1	2	1	3	3
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	45	49	38	44	62	40	41	37

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of November 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.			BRIGHT SUNSHINE.	
			Mean of Mean of	Difference from Average.		Absolute Maximum and Minimum.		Mean of	Number of Days.	Total Fall.		Difference from Average.	Hours per Day.	Per Cent. of Possible.	
				Maximum (A.)	Minimum (B.)	° F.	° F.	° F.	° F.	inch.	inch.	inch.	Daily Mean.	Difference from Average.	
GLASGOW, (Abbotsinch Aerodrome), The Meteorological Office.	19	Mb. 1017.3 inches. 30.040	° F. 47.5 ° F. 34.5	47.5	34.5	57	19	40.3	9	0.55	0.55	-3.53	1.67	+0.30	20
EDINBURGH, Professor R. A. SAMPOSON, F.R.S., Royal Observatory.	441	1017.9	30.060	46.7	38.6	58	29	41.7	7	0.24	0.24	-2.00	1.59	-0.22	23
DUNDEE, College Gardens.	147	1017.1	30.036	47.2	36.0	58	28	41.8	10	0.57	0.57	-1.87	1.73	-0.46	21
ABERDEEN, The Meteorological Office.	79	1016.7	30.023	46.0	39.0	56	31	42.3	20	1.65	1.65	-1.30	1.47	-0.48	18
PAISLEY, John Woodrow, The Coats Observatory.	106	1017.7	30.053	47.8	37.3	57	26	41.9	9	0.64	0.64	-3.54	1.49	+0.05	18
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1017.6	30.051	47.8	39.1	55	31	42.4	11	1.76	1.76	-4.66	1.05	..	13
KIRKCALDY, The Medical Officer of Health.	137	..	..	48.1	35.1	56	25	42.7	4	0.15	..	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	47.2	32.4	57	20	38.7	9	0.61	0.61	-3.16	1.81	+0.23	22
AYR, The Medical Officer of Health.	43	..	..	49.2	36.8	57	28	43.2	3	0.29	..	..	2.08	..	25
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	47.6	36.3	58	25	40.9	9	0.30	..	..	1.90	..	23
PERTH, J. RITCHIE, The Museum.	76	1018.0	30.062	47.1	35.2	58	20	39.8	7	0.46	0.46	-2.42	1.34	-0.51	16
Means	147	1017.5	30.046	47.5	36.4	58	28	41.4	9	0.66	0.66	-2.79	1.64	-0.17	20

North Latitude—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 55° 14'.
West Longitude—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 53'; Aberdeen, 2° 6'; Paisley, 4° 28'; Greenock, 4° 46'; Perth, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.
† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29.531 mercury inches) and inches.

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Library.
MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

DECEMBER 1937.

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REPORT

During the month of December 1937 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,790 living children, of whom 1,914 were males and 1,876 were females. Compared with the number in the previous month, male births are 38 more, female births 153 more and those of children of both sexes 191 more. The monthly birth-rate in these towns taken collectively was 17·5 per thousand. This rate is 0·3 more than that for the previous month but is 0·1 below the five years' average.

In the individual towns the monthly birth-rate ranged from 24·6 in Coatbridge, 24·4 in Hamilton and 20·9 in Motherwell and Wishaw, to 14·0 in Clydebank, 14·2 in Edinburgh and 14·9 in Kirkcaldy. In Paisley the rate was 20·3, in Greenock 19·8, in Glasgow 18·5, in Dundee 18·1, in Falkirk 17·2, in Perth 17·0, in Dunfermline 15·8, in Kilmarnock 15·6, in Ayr 15·4 and in Aberdeen 15·3.

Of the 3,790 living children whose births were registered during the month, 3,593 or 94·8 per cent. were legitimate, while 197 or 5·2 per cent. were illegitimate. The legitimate children numbered 187 more than in the previous month and the illegitimate children 4 more. The illegitimate rate for the month is 0·2 below that for the previous month. In the individual towns it ranged from 8·8 in Greenock, 7·7 in Perth and 7·2 in Edinburgh, to 1·1 in Coatbridge, 1·8 in Kirkcaldy and 2·0 in Dunfermline. In Glasgow the rate was 5·0.

Marriages registered during the month numbered 2,319 and are 778 more than in the previous month. The marriage rate, 10·7 per thousand, is 3·4 above that for the previous month and 0·2 above the average. In the individual towns it ranged from 13·8 in Aberdeen, 12·4 in Greenock and 11·9 in Ayr, to 6·7 in Coatbridge, 7·6 in Clydebank and 8·0 in Falkirk. In Glasgow the rate was 11·0 and in Edinburgh 10·4. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths registered in these towns during the month numbered 4,028 and are 650 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,712, of whom 1,939 were males

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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and 1,773 were females. The corrected number is 633 more than in the previous month, males being 347 more and females 286 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 17·1 per thousand, being 2·4 above that for the previous month and 1·3 above the average. In the towns taken individually the death-rate ranged from 22·7 in Greenock, 22·0 in Coatbridge and 21·0 in Perth, to 12·1 in Kirkcaldy, 12·3 in Aberdeen and 12·6 in Falkirk. In Kilmarnock the rate was 19·1, in Hamilton 18·6, in Glasgow 18·2, in Dunfermline 17·7, in Clydebank 17·4, in Ayr 17·4, in Dundee 16·5, in Paisley 16·1, in Edinburgh 15·9, and in Motherwell and Wishaw 15·3.

Deaths of children of less than one year old numbered 468 and equalled an infantile mortality rate of 117 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 25 more than in the previous month, while the rate is 3 more than in that month and 8 above the average. In the individual towns this rate ranged from 215 in Kilmarnock, 174 in Greenock and 164 in Paisley, to 36 in Kirkcaldy, 63 in Dunfermline and 66 in Aberdeen. In Hamilton it was 145, in Clydebank 137, in Glasgow 133, in Perth 133, in Falkirk 130, in Dundee 102, in Motherwell and Wishaw 88, in Coatbridge 80, in Edinburgh 78 and in Ayr 70.

Deaths from the principal epidemic diseases numbered 143 and equalled a death-rate of 0·7 per thousand. These deaths are 47 more than in the previous month and the rate is 0·2 more. They include 1 from typhoid fever, 27 from measles, 9 from scarlet fever, 7 from whooping-cough, 22 from diphtheria, 65 from influenza, 4 from cerebro-spinal fever, and 8 from other epidemic diseases, 2 of which were ascribed to dysentery, 3 to erysipelas and 3 to lethargic encephalitis. Compared with the number in the previous month deaths from typhoid fever are 1 more, from measles 18 more, from scarlet fever 6 more, from whooping-cough 6 more, from diphtheria 10 fewer, from influenza 28 more, from cerebro-spinal fever 1 more, and from other epidemic diseases 3 fewer.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 852, and equalled a death-rate of 3·9 per thousand. Compared with the number in the previous month these deaths are 239 more, while the rate is 1·0 more and is 0·5 above the average.

Deaths from all forms of tuberculosis numbered 225, of which 182 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 65 more and those from respiratory tuberculosis 56 more. Compared with the average the former are 29 more and the latter 21 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

DECEMBER 1937.

Mean barometric pressure, 29·908 ins.; greater than the average* by 0·137 in.

Mean temperature, 35·8° F.; less by 4·2° F.

Mean daily range of temperature, 9·7° F.; greater by 1·0° F.

Mean daily sunshine, 1·15 hours; greater by 0·09 hour.

Rain, depth in inches, 2·96; less by 0·98 in.

Wind, direction of: a 5 days' excess of North and N.E. winds.

The month was remarkable for low temperatures—it being the coldest December in Scotland since 1927—and for the heavy and widespread snowfalls.

The weather of the first half of the month was controlled by complex disturbances moving slowly eastwards across the country. Severe wintry conditions prevailed over Scotland and there were heavy falls of snow over most of the country. A ridge of high pressure on the 17th and 18th brought a brief spell of fair and dry weather but temperatures remained low. Unsettled and milder conditions succeeded

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

on the 20th. Anticyclonic conditions prevailed during the last week, bringing mainly fair weather towards the close of the year. In Edinburgh the extremes of pressure were 30·72 inches on the 28th and 28·92 inches on the 13th.

Mean temperatures were below normal in all districts, the deficiency for the country as a whole being 3·2 degrees and practically equal to that in the cold December of 1927. The deficiency was less than 2° F. in Orkney and Shetland, but at the high level stations of Braemar and Balmoral amounted to as much as 6·7 and 6·0° F. respectively. The only mild weather occurred between the 22nd and 27th, when maxima of 50 degrees or above occurred in all districts. The highest values reported were 56° F. at Fort William and Onich on the 22nd and at Nairn and Forres on the 24th. The coldest day was the 13th, when some remarkably low minima were registered. Dalwhinnie reported 0° F., Balmoral - 3 F., Logie Coldstone - 5° F., and Braemar - 7° F. This latter was the lowest temperature recorded under standard conditions anywhere in Scotland since 14th November 1919, when Braemar reported - 10 F. Ground frosts occurred on every night except the 26th/27th, and were generally widespread and severe. Balmoral registered ground frosts on 27 nights. The lowest recorded were - 6° F. at Balmoral, - 5° F. at Braemar and Dalwhinnie, all on the 13th, and - 3° F. at Balmoral on the 14th.

Sunshine was slightly above normal over the country as a whole but there were deficiencies in east and south Scotland. The excess at some stations in the west was considerable, Oban having 65 hours' sunshine, or 36 hours over the normal, and Turnberry 61 hours, or 30 hours more than the normal. Troon and Montrose had 50 hours each and Ayr had 47 hours. Less than 20 hours' sunshine were registered at some inland stations. Baltasound had the meagre total of 5 hours, or 6 hours less than its average for December.

For the fifth month in succession the rainfall of the country as a whole was below normal. Less than one quarter of the normal fall was measured at some places in the west. South of the Moray Firth the totals generally exceeded the normal, the greatest excess being in the extreme south-east, where some stations had more than double the normal December fall. Daily falls of an inch or more were of fairly frequent occurrence. Among the largest reported were 2·59 inches at Frandy (Perthshire) and 2·12 inches at Tayport on the 10th; 2·46 inches at Gorebridge and 2·00 inches at West Hopes (East Lothian) on the 13th; 1·52 inch at Kingairloch and 1·50 inch at Tyndrum (Perthshire) on the 22nd, and 1·58 inch at Kingairloch on the 23rd.

Snow fell frequently in most districts throughout the month, the only days when it was not reported being the 1st, 24th, 26th and 27th. The heaviest falls, which occurred from the 8th to the 15th over practically the whole country, caused serious dislocation of road traffic and disorganized telephone services. Snow drifts 6 feet deep completely blocked the main road from England to Scotland over Shap Fell and conditions were hardly less severe in many other places. Undrifted snow was 18 inches deep at Balmoral on the 15th. Some highland roads remained blocked until the end of the month.

Hail was reported locally on 22 days, most of the reports being confined to the period 2nd-15th.

Fog was reported at one place or other on 24 days. It was most widespread in the first week. Visibility was reduced to 5 yards at Stirling on the 1st. Perth reported fog on 19 days, Greenock and West Linton on 12 days each.

Gales occurred locally on 18 days but were not generally severe. Wind gusts up to 68 m.p.h. were recorded at Stornoway on the 22nd, 66 m.p.h. at Bell Rock on the 14th, and 65 m.p.h. on the 3rd and 63 m.p.h. in Edinburgh on the 22nd.

Thunder was reported on 5 days. On the 7th storms occurred over a wide area.

Aurora was seen on 12 nights, the phenomenon being most widely observed on the night of the 24th/25th. A fine display was watched at Lerwick for more than 4 hours on the evening of the 23rd.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 96.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, DECEMBER 1937.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1937. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)		
								Both Sexes.		Males.	Females.	Out.		In.	
GLASGOW, . . .	1,088,524	1,119,900	1757	898	859	1670	87	1043	1860	1003	857	183	51	1728	
EDINBURGH, . .	439,010	463,500	566	294	272	525	41	414	742	379	363	121	13	634	
DUNDEE, . . .	176,681	179,300	275	132	143	262	13	147	263	113	145	19	7	251	
ABERDEEN, . .	169,803	173,300	251	104	127	215	16	209	219	100	119	41	8	136	
PAISLEY, . . .	86,445	90,500	156	85	71	151	5	70	131	61	70	21	14	124	
GREENOCK, . .	79,012	80,900	136	68	68	124	12	85	168	102	66	17	5	156	
MOTHERWELL AND WISHAW, . .	65,611	67,700	120	69	51	117	3	53	61	38	23	..	27	88	
CLYDEBANK, . .	46,952	48,000	57	18	39	54	3	31	45	22	23	..	26	71	
KIRKCALDY, . .	43,874	44,900	57	35	22	56	1	41	51	26	25	7	2	46	
COATBRIDGE, . .	43,312	43,900	92	44	48	91	1	25	77	52	25	1	6	82	
KILMARNOCK, . .	38,681	40,100	53	23	30	51	2	38	69	30	39	8	4	65	
HAMILTON, . . .	37,990	38,500	80	40	40	76	4	32	57	30	27	4	8	61	
AYR,	38,905	40,700	53	24	29	51	2	41	83	41	42	31	8	60	
FALKIRK, . . .	36,566	38,200	56	31	25	54	2	26	49	26	23	11	3	41	
DUNFERMLINE, .	35,058	36,500	49	29	20	48	1	29	65	36	29	16	6	55	
PERTH,	35,051	36,000	52	20	32	48	4	35	88	47	41	26	2	64	
TOTAL (SIXTEEN TOWNS)	2,460,475	2,551,900	3790	1914	1876	3593	197	2319	4028	2111	1917	506	190	3712	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, DECEMBER 1937.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	13.5	5.0	11.0	19.6	13.2	0.7	1.3	1.1	4.9	251	133
EDINBURGH, . .	14.2	7.2	10.4	18.6	15.9	0.6	0.8	0.7	2.8	49	78
DUNDEE, . . .	18.1	4.7	9.7	17.3	16.5	0.3	1.1	0.7	3.0	27	102
ABERDEEN, . .	15.3	6.9	13.8	14.5	12.3	0.3	0.4	0.3	2.0	17	66
PAISLEY, . . .	20.3	3.2	9.1	17.0	16.1	0.5	0.7	0.7	2.9	24	164
GREENOCK, . . .	19.8	8.8	12.4	24.4	22.7	1.5	1.7	1.5	5.2	26	174
MOTHERWELL AND WISHAW, . .	20.9	2.5	9.2	10.6	15.3	0.9	0.5	0.3	3.1	10	88
CLYDEBANK, . .	14.0	5.3	7.6	11.0	17.4	0.2	1.0	0.7	5.2	10	137
KIRKCALDY, . .	14.9	1.8	10.7	13.4	12.1	..	0.8	0.3	1.6	2	36
COATBRIDGE, . .	24.6	1.1	6.7	20.6	22.0	1.9	1.3	0.8	5.6	7	89
KILMARNOCK, . .	15.6	3.8	11.2	20.3	19.1	0.9	0.9	0.6	4.7	14	215
HAMILTON, . . .	24.4	5.0	9.8	17.4	18.6	1.5	0.9	0.9	4.9	11	145
AYR,	16.4	3.8	11.9	24.0	17.4	0.6	0.6	0.6	2.6	4	70
FALKIRK, . . .	17.2	3.6	8.0	15.1	12.6	0.3	0.6	0.6	3.4	7	130
DUNFERMLINE, .	15.8	2.0	9.3	20.9	17.7	0.3	1.0	1.0	2.9	3	63
PERTH,	17.0	7.7	11.5	28.3	21.0	2.0	1.3	1.3	3.2	6	133
TOTAL (SIXTEEN TOWNS)	17.5	5.2	10.7	18.6	17.1	0.7	1.0	0.8	3.9	468	117

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR DECEMBER 1937, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
DEC. 1937, .	17.5	5.2	10.7	17.1	1	27	9	7	22	65	4	8	146	35°·8	
DEC. 1936, .	17.7	6.0	10.8	14.9	0	0	6	40	22	38	5	13	102	41°·2	
DEC. 1935, .	17.5	6.9	12.2	16.7	7	8	10	12	23	48	6	21	125	36°·0	
DEC. 1934, .	17.1	5.3	11.3	14.6	0	22	10	52	24	81	9	24	100	44°·6	
DEC. 1933, .	17.5	6.6	9.1	14.6	0	0	24	14	13	40	10	21	91	38°·9	
DEC. 1932, .	18.3	5.3	8.9	18.0	3	1	14	72	28	280	16	10	129	42°·3	
DEC. 1931, .	18.6	6.0	9.1	14.1	1	147	5	21	19	27	16	14	100	43°·0	
DEC. 1930, .	20.3	6.1	10.1	16.6	0	8	5	43	40	42	9	23	136	39°·7	
DEC. 1929, .	18.8	6.8	10.6	14.3	3	51	13	15	31	25	10	11	93	40°·9	
DEC. 1928, .	19.5	6.7	10.0	14.1	0	2	6	23	24	49	10	22	96	38°·6	
DEC. 1927, .	20.3	6.6	9.3	18.2	2	193	9	49	51	60	11	14	146	35°·7	

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1937.

Intern ¹ Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.														
					-1	1	5	10	15	25	35	45	55	65	75	85 & over			
1	Typhoid Fever (including Paratyphoid) -	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
4	Measles -	27	15	12	5	21	1	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	9	3	6	-	2	7	-	-	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough -	7	3	4	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	22	11	11	1	10	6	2	-	-	1	-	1	-	-	-	-	-	-
8	Influenza -	65	37	28	6	-	1	-	2	3	2	11	17	13	7	3	-	-	-
14 (1)	Cerebro-spinal Fever -	4	3	1	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	8	3	5	-	1	-	-	-	1	-	-	2	2	2	-	-	-	-
10	Tuberculosis of Respiratory System -	182	101	81	1	-	-	2	43	55	30	22	21	5	2	1	-	-	-
11	Other Tuberculous Diseases -	43	24	19	4	7	7	1	12	-	4	2	1	3	1	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	10	5	5	4	1	-	-	-	-	-	-	2	3	-	-	-	-	-
15	Cancer, Malignant Disease -	337	169	168	-	-	-	-	1	6	18	58	83	106	59	6	-	-	-
18	Diabetes Mellitus -	55	17	38	-	-	1	-	1	3	1	4	15	23	6	1	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	70	30	40	1	1	3	3	5	3	10	8	17	14	5	-	-	-	-
22	Cerebral Hemorrhage, &c. -	343	160	183	-	-	-	-	1	1	5	27	71	117	102	19	-	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	78	43	35	14	4	3	4	6	1	9	11	8	10	8	-	-	-	-
24	Heart Disease -	774	378	396	1	1	1	1	5	11	32	61	158	254	207	42	-	-	-
25	Other Circulatory Diseases -	52	28	24	1	-	-	-	-	1	-	2	4	20	17	7	-	-	-
26	Bronchitis -	332	181	151	42	2	1	1	1	3	17	29	55	78	77	26	-	-	-
27	Pneumonia (all forms) -	465	283	182	161	44	8	2	8	18	30	50	56	51	31	6	-	-	-
28	Other Respiratory Diseases -	55	34	21	9	-	1	-	-	2	1	4	9	17	8	4	-	-	-
32 (1)	Gastric and Duodenal Ulcer -	37	25	12	1	-	-	-	1	2	5	6	9	9	3	1	-	-	-
29	Diarrhoea, &c. (all ages) -	56	32	24	38	9	-	-	-	-	1	1	1	4	2	-	-	-	-
30	Appendicitis -	25	12	13	-	1	3	2	4	3	3	3	2	1	-	-	-	-	-
31 (1)	Cirrhosis of Liver -	17	7	10	-	-	-	-	-	-	1	3	8	4	1	-	-	-	-
31 (2)	Other Diseases of Liver, &c. -	18	6	12	-	1	-	-	-	-	1	1	7	3	4	1	-	-	-
32 (2)	Other Digestive Diseases -	58	33	25	7	2	2	1	4	3	2	4	11	14	7	1	-	-	-
33	Acute and Chronic Nephritis -	85	41	44	1	1	-	-	4	2	8	11	19	24	14	1	-	-	-
34	Other Dis. of Genito-Urinary System -	48	34	14	-	1	-	-	3	-	3	2	8	17	11	3	-	-	-
35	Puerperal Sepsis -	6	-	6	-	-	-	-	-	3	2	1	-	-	-	-	-	-	-
36	Other Puerperal Causes -	18	-	18	-	-	-	-	-	6	12	-	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	13	10	3	3	-	-	-	-	2	2	-	1	1	2	2	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	159	89	70	156	2	1	-	-	-	-	-	-	-	-	-	-	-	-
39	Old Age -	81	23	58	-	-	-	-	-	-	-	-	1	10	45	25	-	-	-
40	Suicide -	15	6	9	-	-	-	-	-	2	1	3	6	2	1	-	-	-	-
42	Other Violence (41) -	108	76	32	7	3	3	3	6	9	10	16	20	18	12	1	-	-	-
43	Causes Ill-defined or Unknown -	29	16	13	-	-	-	-	1	2	-	5	5	11	5	-	-	-	-
	ALL CAUSES -	3712	1939	1773	468	119	49	22	114	142	210	351	615	835	639	148	-	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1937.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	...	...
4	Measles	27	19	7	...	...	...	...	1	...
5	Scarlet Fever	9	3	...	2	...	1	1	...	1
6	Whooping-cough	7	3	...	1	3	...	...	...	...
7	Diphtheria	22	13	3	...	...	...	1	2	...
8	Influenza	65	21	10	2	...	3	8	1	...
14 (1)	Cerebro-spinal Fever	4	2	1	...	...	...	...	1	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	8	3	3	...	1	...	...	...	...
10	Tuberculosis of Respiratory System	182	102	26	16	4	5	10	2	3
11	Other Tuberculous Diseases	43	20	5	7	2	...	2	1	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	10	5	2	1	1	...	...	1	...
15	Cancer, Malignant Disease	337	132	78	17	22	14	16	9	7
18	Diabetes Mellitus	55	26	9	4	5	2	2	2	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	70	29	13	6	3	2	2	3	2
22	Cerebral Hæmorrhage, &c.	343	139	52	22	25	16	17	14	8
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	78	43	14	4	4	1	3	...	1
24	Heart Disease	774	339	158	64	37	19	24	16	15
25	Other Circulatory Diseases	52	22	13	7	2	2	3	1	...
26	Bronchitis	332	188	34	17	14	11	18	6	3
27	Pneumonia (all forms)	465	257	60	27	15	10	14	10	17
28	Other Respiratory Diseases	55	24	17	2	2	1	4	2	1
32 (1)	Gastric and Duodenal Ulcer	37	16	11	...	1	2	...	1	2
29	Diarrhœa, &c. (all Ages)	56	24	8	2	2	7	3	1	1
30	Appendicitis	25	11	5	1	2	2	...	1	...
31 (1)	Cirrhosis of Liver	17	6	4	...	1	...	...	...	2
31 (2)	Other Diseases of Liver, &c.	18	7	4	4	...	...	...	...	...
32 (2)	Other Digestive Diseases	58	30	5	6	2	3	4	...	...
33	Acute and Chronic Nephritis	85	36	14	7	11	1	5	2	1
34	Oth. Diseases of Genito-Urinary System	48	17	12	8	4	...	1	...	...
35	Puerperal Sepsis	6	2	1	1	...	1	...	...	1
36	Other Puerperal Causes	18	2	6	1	1	1	2	...	...
37	Dis. of Skin, and of Locomotor System	13	6	...	1	...	3	2	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	159	77	22	13	10	9	5	5	2
39	Old Age	81	32	17	7	5	4	2	...	...
40	Suicide	15	2	5	1	1	...	...	...	1
42	Other Violence (41)	108	51	15	6	5	1	7	4	1
43	Causes Ill-defined or Unknown	29	17	...	...	1	3	...	1	...
All Causes ...		3712	1728	634	251	186	124	156	88	71
AGE AT DEATH.										
Under 1 ... ..	...	468	251	49	27	17	24	26	10	10
1- 4 ... ..	...	119	69	13	7	4	4	4	7	...
5- 9 ... ..	...	49	19	4	4	4	2	5	4	1
10-14 ... ..	...	22	8	4	2	2	...	2	1	...
15-24 ... ..	...	114	54	14	11	4	...	9	4	1
25-34 ... ..	...	142	78	26	10	7	3	3	...	...
35-44 ... ..	...	210	93	32	13	16	8	11	1	10
45-54 ... ..	...	351	177	50	23	17	8	15	6	7
55-64 ... ..	...	615	290	106	37	20	20	17	15	24
65-74 ... ..	...	835	389	140	60	41	30	38	23	10
75-84 ... ..	...	639	254	150	40	41	23	21	15	7
85 and over ... ..	...	148	46	46	17	13	2	5	2	1
Not stated ... ..	...	...	...	...	...	...	...	...	...	...
All Ages ...		3712	1728	634	251	186	124	156	88	71

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1937—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	1	...
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	...	1	1	1	...	...	...
8	Influenza ... ..	...	6	2	4	1	1	...	6
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	1	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	3	2	3	2	2	3	4
11	Other Tuberculous Diseases	2	2	1	...	...	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	6	13	3	4	3	1	6	6
18	Diabetes Mellitus ... ..	...	1	1	...	1	1	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	2	2	...	2	1	1	2	...
22	Cerebral Hæmorrhage, &c.	7	4	11	3	8	4	4	9
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	1	1	1	1	...	3
24	Heart Disease	10	12	12	17	14	11	15	11
25	Other Circulatory Diseases ... ..	...	...	...	...	...	...	...	2
26	Bronchitis	4	9	5	3	5	5	2	8
27	Pneumonia (all forms)	2	12	11	13	4	6	6	1
28	Other Respiratory Diseases ... ..	...	...	...	...	...	...	1	1
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	...	...	...	3	1
29	Diarrhoea, &c. (all Ages) ... ..	...	3	1	1	...	1	1	1
30	Appendicitis	1	1	...	...	...	...	1	...
31 (1)	Cirrhosis of Liver	1	1	...	...	1	...	1	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	1	...	1	...	1
32 (2)	Other Digestive Diseases ... ..	...	3	1	...	1	...	1	2
33	Acute and Chronic Nephritis ... ..	...	1	1	2	2	...	2	...
34	Oth. Diseases of Genito-Urinary System	1	...	...	...	1	...	1	3
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	1	...	...	2	1	1	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c. ... ..	...	2	6	1	2	2	1	2
39	Old Age	3	1	...	2	4	1	1	2
40	Suicide	2	1	...	...	1	...	...	...
42	Other Violence (41)	3	1	4	2	4	1	2	1
43	Causes Ill-defined or Unknown	1	1	2	1	1	1	...	...
	All Causes	46	82	65	61	60	41	55	64
	AGE AT DEATH.								
	Under 1	2	7	14	11	4	7	3	6
	1-4 ... ..	...	2	3	1	2	1	1	1
	5-9 ... ..	...	...	2	...	...	...	4	...
	10-14 ... ..	...	2	...	1	...	...	...	...
	15-24 ... ..	...	3	1	3	1	3	4	2
	25-34	2	4	1	1	...	1	5	1
	35-44	2	6	4	2	2	5	4	1
	45-54	8	10	4	6	7	1	4	8
	55-64	9	20	11	12	17	5	7	5
	65-74	14	18	11	15	10	9	16	11
	75-84	7	7	13	8	14	8	5	26
	85 and over	2	3	1	1	3	1	2	3
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	46	82	65	61	60	41	55	64

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of DECEMBER 1937.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.			
			Mean of		Difference from Average.	Absolute Maximum and Minimum.		Mean of	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Hours per Day.			
			Maximum (A.)	Minimum (B.)		Day of Month.	Day of Month.						Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Daily Mean.	Per Cent. of Possible.
GLASGOW, (Abbotsinch Aerodrome), The Meteorological Office.	19	1012.7	29.2	29.8	34.5	° F. -5.2	° F. 54	24th	12	18th	10	inch. 2.54	inch. -1.91	1.16	+0.28	17
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	1013.1	40.0	33.8	36.9	° F. -3.0	° F. 54	24th	23	13th	17	2.34	0.00	1.24	-0.13	18
DUNDEE, College Gardens.	147	1012.3	29.803	40.0	35.1	° F. -3.8	° F. 52	24th	19	18th	16	3.57	+0.91	1.27	-0.14	18
ABERDEEN, The Meteorological Office.	79	1012.5	29.900	41.6	37.5	° F. -2.2	° F. 52	24th	15	13th	22	4.31	+1.09	0.94	-0.27	14
PAISLEY, JAMES WOODROW, The Coats Observatory.	166	1012.9	29.913	40.4	36.1	° F. -4.2	° F. 53	24th	15	18th	13	2.83	-2.22	0.97	+0.13	14
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1013.0	29.917	41.4	37.3	° F. -3.2	° F. 53	24th	22	18th	14	4.15	-3.74	0.59	..	8
KIRKCALDY, The Medical Office of Health.	137	..	..	41.0	29.5	° F. -5.0	° F. 54	24th	19	20th	12	3.22	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	39.9	28.4	° F. -5.8	° F. 53	24th	13	18th	13	2.67	-1.60	1.50	+0.03	21
AYR, The Medical Office of Health.	43	..	..	44.9	33.1	..	° F. 55	24, 25, 26, 27	19	18th	11	1.46	..	1.52	..	21
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	39.3	30.8	..	° F. 53	24th	20	18th	14	2.57	..	1.16	..	17
PERTH, J. RITCHIE, The Museum.	76	1012.8	29.910	39.1	33.1	° F. -5.1	° F. 54	24th	7	13th	11	2.85	-0.38	1.19	+0.10	17
Means	147	1012.8	29.908	40.7	31.0	° F. -4.2	..	..	..	..	14	2.96	-0.98	1.15	+0.09	17
North Latitude—Glasgow, 55° 53'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 37'; Mean, 3° 36'.																

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 58'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.
† As from January, 1935, barometer readings have been reduced to standard gravity in millibars (1000 millibars = 29.531 mercury inches) and inches.

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